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AUSTIN STRAUDEL APT, GREEN BAY, WISCONSIN. REVISED UNIFORM SUMM--ETC(II)

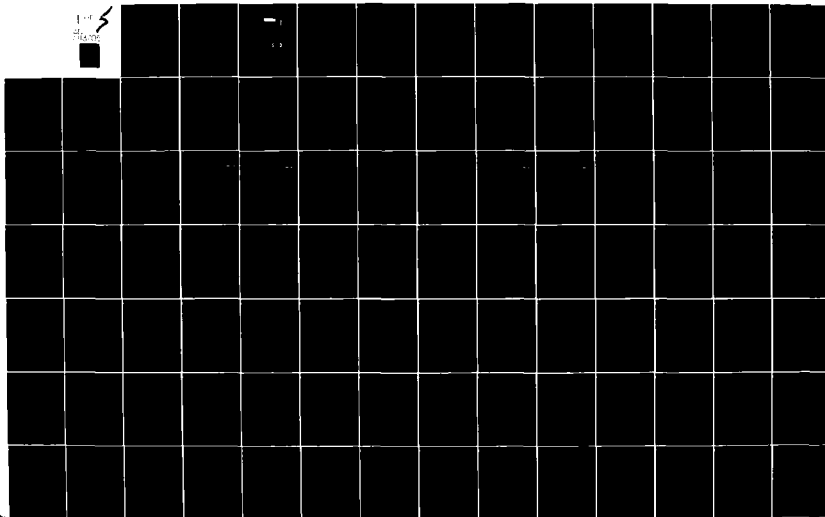
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15 MAR 1982

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

AUSTIN STRAUBEL WI

MSC #726450

.. 44 29 W 088 08 FLD ELEV 694 FT GRB

PARTS A-F

POR FROM HOURLY OBS: SEP 73 - AUG 81

POR FROM DAILY OBS: JAN 50 - AUG 81

TIME CONVERSION GMT TO LST: -6

MAR 15 1982

FEDERAL BUILDING  
ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

*Wayne E. McCollom*

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PHOTOGRAPH THIS SHEET

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into summary of the day's observations (including record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U.S. Air Force and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY 726450	STATION NAME Austin-Straubel Apt/Green Bay Wis	LATITUDE N 44 29	LONGITUDE W 088 08	FIELD ELEV (FT) 694	CALL SIGN GRB	WBO NUMBER 72645
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## STATION LOCATION AND INSTRUMENTATION HISTORY

WB #  
14898

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE HSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARO.	
	Austin-Straubel Apt	WBAS	15 Aug49	09 Jun54	N 44 29	W 088 08	694	699	24
	Same	WBAS	10 Jun54	10 Sep55	Same	Same	Same	Same	24
		CAA							
	Same	WBAS	11 Sep55	09 May65	Same	Same	Same	Same	24
	Same	WBAS	10 May65	14 Jan69	Same	Same	Same	694	24
	Same	WBO	15 Jan69	24 Jan72	Same	Same	Same	Same	24
	Same	WSO	25 Jan72	Jun79	Same	Same	Same	Same	24
	Same	WSO	Jul 79	Dec 81	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	12 Nov61	Located on ground 1700 ' NE hangar	F420A F101 & 010		20 ft	
	Dec64	Located on ground 1600 ' NE hangar	F420C F102 & F101		20 ft	
	Dec 69	Located on ground 1300 ' N hangar	F420C F102 & F101		20 ft	
	Dec 71	Located on ground 1300 ' N-South Concourse	F420C F102 & F005		20 ft	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF CHANGES	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	01 Dec74	Located on ground 1300 ' N South Concourse	F420C F102 & F005	F312	20 ft	
	Jun 79	Same				

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAW sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## WEATHER CONDITIONS

726450

AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02		3.1	.7	19.4		22.7	10.2	3.1	1.6		14.9	736
	03-05		2.2	1.6	21.8		24.4	10.2	3.1	1.3		14.7	742
	06-08		2.2	1.8	22.2		25.5	11.5	3.9	1.8		17.1	738
	09-11		1.9	1.4	21.3		23.9	11.8	11.0	3.5		26.2	737
	12-14		3.1	.4	15.2		18.5	9.5	13.5	2.6	.1	25.7	736
	15-17		2.7	.3	14.7		17.7	9.2	12.0	1.6		22.8	736
	18-20		1.6	.4	18.3		20.3	8.1	7.1	1.6		16.7	743
	21-23		2.4	.5	19.3		22.0	8.8	4.6	1.3		14.4	741
TOTALS			2.4	.9	19.0		21.9	9.9	7.3	1.9	.0	19.1	5909

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM 726450 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC  
AF WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7046      AUSTIN STRAUBEL WI      74-81      FEB  
STATION      STATION NAME      YEARS      MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		1.6	.1	19.8		21.5	8.1	2.9	1.6		12.7	678
	03-05	.3	1.6	.1	20.4		22.2	9.5	4.1	1.8		15.4	676
	06-08	.1	1.5	.6	17.6		19.2	16.2	3.8	1.6		21.5	678
	09-11		1.9	.4	19.0		21.1	14.2	11.5	1.3		26.7	678
	12-14	.1	1.6	.1	15.9		17.4	6.6	13.1	.6		20.5	678
	15-17	.1	1.9		12.8	.1	14.6	5.8	12.2	.9		18.9	678
	18-20	.1	1.0		14.3		15.2	5.9	9.6	1.6		17.3	678
	21-23		1.6		15.5		16.8	6.9	5.5	1.8		14.2	678
TOTALS		.1	1.6	.2	16.9	.0	18.5	9.2	7.8	1.4		18.4	5422

ORIGINAL DATA RECORDED IN SYNOPTIC CODE



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72-45

AUSTIN STRAUBEL WI

74-81

MAC

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		7.7	1.7	9.9		17.5	17.6	3.8	.3		21.2	744
	03-05	.1	7.9	1.9	9.7		18.4	21.1	2.0			22.8	744
	06-08	.1	5.5	1.2	9.1	.1	16.8	24.1	5.4	.1	.1	29.3	744
	09-11		3.8	.3	10.3		14.0	20.2	10.1	.7		30.1	744
	12-14		4.8		8.7		13.0	12.5	12.1	.7		25.3	744
	15-17	.1	4.8	.4	7.8		12.8	11.4	12.1	.4		23.4	744
	18-20	.5	7.0	.8	10.5		17.3	12.6	11.2	.8	.1	24.2	744
	21-23	.4	6.9	1.3	11.3		18.4	16.0	6.0	.4		22.2	744
TOTALS		.2	6.2	1.0	9.7	.0	16.0	16.9	7.8	.4	.0	24.8	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72645

AUSTIN STRAUBEL WI

74-81

APR

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.8	9.4	.6	3.6		12.5	7.6	2.5			9.9	720
	03-05	.1	10.6	.4	3.1		13.8	11.1	1.6			12.6	720
	06-08	.3	10.3	.6	3.2		14.0	15.7	4.6	.1		20.1	720
	09-11	.3	8.8	.1	2.9		11.8	11.5	7.4			18.6	720
	12-14	.7	8.9		3.1	.3	11.9	7.6	6.9		.1	14.6	720
	15-17	.1	10.6		2.6		13.2	6.7	7.2			13.8	720
	18-20	.4	12.4	.3	1.9		14.3	9.4	4.9	.1	.1	14.4	720
	21-23	1.0	10.8	.4	2.2		13.2	8.2	3.1	.1		11.4	720
TOTALS		.5	10.2	.3	2.8	.0	13.1	9.7	4.8	.0	.0	14.4	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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JULY 64

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724451

AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.5	6.2				8.2	8.7	4.0			12.8	744
	03-05	.5	7.8		.3		7.9	13.8	4.4			17.7	744
	06-08	.4	7.5		.4		7.8	14.5	8.7			22.4	744
	09-11	.3	4.7				4.7	7.4	11.7			19.1	744
	12-14	.3	5.9				5.9	4.0	9.4			13.4	744
	15-17	.7	5.4				5.4	3.8	7.1			10.8	744
	18-20	1.1	7.3				7.3	5.4	6.6			11.8	744
	21-23	.3	6.7				6.7	7.8	4.4			12.0	744
TOTALS		.5	6.7		.1		6.7	8.2	7.0			15.0	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JULY 64

1  
2GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72045  
STATIONAUSTIN STRAUBEL WI  
STATION NAME74-81  
YEARSJUN  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02	1.8	6.1				6.1	8.9	4.0		.1	12.6	720
	03-05	.8	5.0				5.0	15.6	3.5			18.5	720
	06-08	1.0	7.8				7.8	14.4	6.7		.1	20.3	720
	09-11	.6	6.0				6.0	4.2	12.1			16.0	719
	12-14	.8	6.8				6.8	3.9	10.6			14.4	720
	15-17	1.3	4.6				4.6	2.1	9.4			11.3	720
	18-20	.8	4.2				4.2	2.8	10.3			12.8	720
	21-23	1.5	7.2				7.2	5.0	7.2			11.9	720
TOTALS		1.1	6.0				6.0	7.1	8.0		.0	14.7	5759

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JULY 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

726450      AUSTIN STRAUBEL WI      74-81      JUL  
STATION      STATION NAME      YEARS      MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.4	5.8				5.8	8.7	7.0		.1	15.6	744
	03-05	1.6	5.9				5.9	18.3	6.7			23.5	744
	06-08	.9	6.5				6.5	17.6	12.8		.1	29.4	744
	09-11	.4	4.2				4.2	6.5	15.5			21.2	744
	12-14	.1	3.5				3.5	1.9	12.9			14.8	744
	15-17	.9	5.0				5.0	2.2	11.3			13.3	744
	18-20	.5	4.4				4.4	3.9	13.0			16.4	744
	21-23	1.2	3.0				3.0	5.8	10.8			16.4	744
TOTALS		1.0	4.8				4.8	8.1	11.3		.0	18.8	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

726450

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	2.3	5.9				5.9	17.2	7.5			24.1	744
	03-05	2.0	6.5				6.5	25.0	5.4			29.7	744
	06-08	2.3	7.0				7.0	28.5	10.1			37.4	744
	09-11	1.3	7.8				7.8	15.1	15.5			29.8	744
	12-14	.4	5.8				5.8	9.4	14.1			23.4	744
	15-17	.8	5.4				5.4	7.3	11.8			19.1	744
	18-20	.9	6.5				6.5	8.8	11.1			19.7	741
	21-23	2.0	5.3				5.3	12.3	8.2			19.8	741
TOTALS		1.5	6.3				6.3	15.5	10.5			25.4	5946

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

# WEATHER CONDITIONS

72045

AUSTIN STRAUBEL WI

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.9	8.6				8.6	12.8	3.1			15.8	720
	03-05	.6	9.2				9.2	17.4	1.9			19.2	720
	06-08	.6	8.8				8.8	25.3	4.7			29.7	720
	09-11	.1	4.7				4.7	12.8	9.4			22.2	720
	12-14	.4	4.2				4.2	7.9	5.8			13.3	720
	15-17	.6	4.3				4.3	6.7	5.6			11.7	720
	18-20	1.1	7.9				7.9	7.2	5.6			12.8	720
	21-23	1.8	7.1				7.1	7.8	4.0			11.8	720
TOTALS		.9	6.9				6.9	12.2	5.0			17.1	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

# WEATHER CONDITIONS

726452

AUSTIN STRAUBEL WI

73-80

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.1	6.5		.5		7.0	10.1	2.4			12.4	744
	03-05		5.9		.7		6.5	13.6	1.2			14.6	744
	06-08	.1	6.7		1.5		7.7	19.2	4.6			22.9	743
	09-11	.3	6.9		.9		7.5	9.8	10.8			20.2	744
	12-14	.4	6.2		1.5		7.4	5.8	8.9			14.5	743
	15-17		6.3		.1		8.5	5.6	6.9			12.1	744
	18-20	.1	7.4		.1		7.5	7.8	5.1			12.2	744
	21-23	.3	6.7		.4		7.1	8.3	3.6			11.3	744
TOTALS		.2	6.8		.7		7.4	10.0	5.4			15.1	5950

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLIMAT. CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72450

AUSTIN STRAUBEL WI

73-80

NOV

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		6.9	.1	9.4		16.1	12.2	1.5			13.8	720
	03-05		5.7	.1	9.7		14.7	14.9	1.8			16.4	720
	06-08		6.4		8.9		15.0	19.3	4.6	.3		23.6	720
	09-11	.1	6.5		7.5		13.9	16.3	10.4	.8		27.4	720
	12-14		8.1		6.8		14.6	11.9	9.2	.3		21.4	720
	15-17		6.9		4.7		11.7	11.4	8.3	.3		19.9	720
	18-20	.1	6.8		6.0		12.6	11.1	6.4	.1	.1	17.5	720
	21-23	.1	6.4		7.5		13.5	13.1	3.1	.1		15.8	720
TOTALS		.0	6.7	.0	7.6		14.0	13.8	5.7	.2	.0	19.5	5760

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

## WEATHER CONDITIONS

726437  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		3.5	.4	16.1		19.8	12.5	3.6	.9		16.3	744
	03-05		5.2	.8	15.5		21.0	12.2	3.1	.8		16.1	744
	06-08		5.8	.8	16.9		22.7	16.4	4.6	1.1		21.6	744
	09-11		3.0	1.2	16.5		20.6	18.3	10.6	.5		29.2	744
	12-14		5.1	1.3	15.2		19.4	15.6	10.8	.4		26.7	744
	15-17		3.8	.8	13.6		17.9	13.6	12.1	.4		26.1	744
	18-20		4.2	.8	14.0		18.7	12.4	7.8	.7		20.7	744
	21-23		3.6	.5	13.3		17.2	11.6	6.2	.9		18.0	744
TOTALS			4.0	.8	15.1		19.7	14.1	7.4	.7		21.3	5952

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

726491

AUSTIN STRAUBEL WI

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.4	.9	19.0		21.9	9.9	7.3	1.9	.0	19.1	5909
FEB		.1	1.6	.2	16.9	.0	18.5	9.2	7.8	1.4		18.4	5422
MAR		.2	6.2	1.0	9.7	.0	16.0	16.9	7.8	.4	.0	24.8	5952
APR		.5	10.2	.3	2.8	.0	13.1	9.7	4.8	.0	.0	14.4	5760
MAY		.5	6.7		.1		6.7	8.2	7.0			15.0	5952
JUN		1.1	6.0				6.0	7.1	8.0		.0	14.7	5759
JUL		1.0	4.8				4.8	8.1	11.3		.0	18.8	5952
AUG		1.5	6.3				6.3	15.5	10.5			25.4	5946
SEP		.9	6.9				6.9	12.2	5.0			17.1	5760
OCT		.2	6.8		.7		7.4	10.0	5.4			15.1	5950
NOV		.0	6.7	.0	7.6		14.0	13.8	5.7	.2	.0	19.5	5760
DEC			4.0	.8	15.1		19.7	14.1	7.4	.7		21.8	5952
TOTALS		.5	5.7	.3	6.0	.0	11.8	11.2	7.3	.4	.0	18.7	70074

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC SERVICE/MAC

XXX WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

7243  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

50-81

YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.5	15.6	10.1	58.7		63.1	27.4	22.9	7.2		43.0	992
FEB		.4	13.4	6.4	52.4	.1	57.2	30.5	25.2	6.1		43.9	904
MAR		4.1	23.8	4.7	41.8	.3	55.3	32.0	24.7	4.8	.1	45.3	992
APR		8.5	44.6	1.4	18.3	1.0	53.0	32.0	19.0	.7	.1	38.1	960
MAY		13.5	50.1		2.1	.7	50.7	28.5	18.5			33.7	992
JUN		23.3	51.0			.7	51.0	31.5	25.3			39.9	960
JUL		21.4	44.6			.5	44.6	31.1	25.8			39.5	989
AUG		16.1	46.4			.5	46.4	41.5	28.2			48.8	992
SEP		14.1	46.5		.1	.5	46.5	38.6	22.0			42.9	930
OCT		6.3	41.0		4.7	.3	43.5	34.8	25.2			42.1	961
NOV		2.2	30.3	1.6	33.0	.1	53.8	34.9	22.9	1.6		41.9	930
DEC		.5	21.0	8.8	55.0		64.4	33.6	21.2	3.1		43.4	961
TOTALS		9.4	35.7	2.7	22.2	.4	52.5	33.0	23.4	2.0	.0	41.9	11563

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
JCAFETAC  
A1: WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

7-6450  
STATION

AUSTIN STRAUDEL MT  
STATION NAME

50-81  
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	06-.10	.11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	36.9	29.6	5.0	11.3	7.2	5.5	3.2	1.2						33.5	992	1.20	2.64	.12
FEB	42.9	27.7	5.3	7.9	5.5	6.8	2.8	.7	.6					29.5	903	1.08	3.56	.04
MAR	44.7	20.0	5.0	9.6	5.6	6.1	5.5	3.4						35.4	992	1.87	4.68	.31
APR	47.3	16.5	4.1	6.5	5.2	8.1	6.7	5.2	.8					36.6	960	2.77	5.52	.98
MAY	49.3	15.0	4.1	7.4	4.0	8.9	5.2	4.4	1.6					35.7	992	3.00	8.21	.56
JUN	49.0	15.1	3.1	7.2	4.6	9.1	5.3	4.7	2.0					35.9	960	3.15	8.47	.31
JUL	55.5	13.6	3.0	6.6	3.5	5.2	5.6	4.2	2.5	.1				30.8	992	3.27	6.50	.83
AUG	53.6	12.8	2.9	7.3	3.8	6.9	5.4	5.6	1.4	.2				33.6	992	3.16	9.04	.90
SEP	53.6	13.0	3.2	6.6	3.8	7.5	5.7	4.0	2.5	.1				33.4	929	3.08	7.80	.28
OCT	56.5	16.0	2.4	6.1	5.1	5.0	5.3	2.5	.9	.1				27.5	961	2.07	5.00	TRACE
NOV	46.3	23.9	4.7	6.7	4.1	6.9	4.3	2.2	1.0					29.8	930	1.74	3.52	.16
DEC	35.6	29.4	5.4	11.0	5.8	7.3	3.7	1.5	.2					35.0	961	1.43	3.15	.10
ANNUAL	47.6	19.4	4.0	7.8	4.8	6.9	4.9	3.3	1.1	.0				33.1	11564	27.82		



GLOBAL CLIMATOLOGY BRANCH  
 CLAFETAC  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

## PRECIPITATION

(FROM DAILY OBSERVATIONS)

72-450  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

50-81  
 YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50	.94	.42	.83	.77	.53	.81	2.05	.98	1.33	.49	.43	.83	2.05
51	.19	.41	.68	.86	.25	.61	1.63	2.61	1.03	.88	.55	.26	2.61
52	.53	.27	.46	1.20	.57	.74	1.95	.68	.46	TRACE	.95	.32	1.95
53	.43	1.32	.66	1.44	.32	.54	2.18	.66	1.00	.08	.23	.34	2.18
54	.12	.23	.42	.97	2.14	1.56	1.09	.55	1.56	3.44	.44	.17	3.44
55	.42	.46	.75	.98	.75	.81	1.02	.52	.38	1.09	.59	.53	1.09
56	.31	.27	.48	.55	2.09	.99	2.25	.61	.77	.51	.95	.35	2.25
57	.10	.17	.08	1.13	2.17	1.23	1.00	1.62	.76	.62	1.20	.50	2.17
58	.15	.04	.22	.67	.53	.64	.92	1.17	1.05	.67	.56	.09	1.17
59	.35	1.06	.52	.74	.95	.35	2.95	1.00	2.04	1.47	.65	1.07	2.95
60	.44	.25	.70	1.11	2.04	1.17	.46	.89	.99	1.44	.35	.05	2.04
61	.10	.38	.72	.53	.50	1.20	1.07	1.68	1.57	1.02	1.16	.34	1.68
62	.28*	.38	.33	.90	.70	.99	.90	.75	1.15	.80	.36	.38	1.15
63	.39	.27	.42	.29	.76	1.40	1.26	.88	1.12	.30	1.03	.31	1.40
64	.89	.10	.54	.93	.91	.46	1.23	.76	2.99	.20	.67	.17	2.99
65	.16	.28	.58	.79	.91	.74	.45	.66	2.10	.89	.94	.83	2.10
66	.58	1.78	.57	.41	.92	.33	1.88	.61	.71	.36	.46	.52	1.88
67	.98	.25	.65	.77	.59	1.83	1.20	.95	.18	1.29	.66	.26	1.83
68	.22	.19	.34	1.03	.79	2.20	.48	1.06	.97	.50	.45	.54	2.20
69	.67	.04	.53	.70	.89	2.47	.96	.82	.59	.73	.21	.55	2.47
70	.19	.10	.46	.51	1.54	.73	1.68	.89	1.34	1.30	.92	.48	1.68
71	.47	.81	.82	.52	1.03	.65	.79	1.27	1.35	.46	1.03	1.16	1.35
72	.21	.19	.72	.43	.35	1.04	.76	1.28	1.37	.96	.75	.78	1.37
73	.61	.34	.65	.59	2.22	1.43	.76	.87	1.75	1.20	.39	.62	2.22
74	.84	.27	.31	.76	1.15	2.26	2.50	.58	.47	.43	1.03	.53	2.50
75	.57	.55	.92	.58	1.41	1.94	.44	3.83	.90	.17	1.21	.33	3.83
76	.22	.55	.70	.57	.87	.14	1.57	.56	.14	.43	.10	.17	1.57
77	.12	1.05	.80	.89	.90	.87	.59	1.27	.60	.45	.80	.53	1.27
78	.46	.14	.18	.89	1.38	.74	1.27	1.71*	1.40	1.08	1.53	.37	1.71
79	.55	.34	.94	.38	1.03	.55	1.11	1.81	.61	.95	.98	.45	1.81
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

50-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV.	DEC.	ALL MONTHS
50	2.64	1.45	2.49	3.39	1.50	3.11	6.50	2.72	2.20	1.14	1.12	1.84	30.10
51	.87	1.72	2.66	4.79	.89	2.30	4.12	5.50	2.93	4.82	1.66	1.09	33.35
52	2.06	.70	1.98	1.57	2.92	2.36	3.82	2.06	.82	TRACE	2.24	1.45	21.98
53	1.10	3.56	1.94	5.52	1.41	1.90	3.15	2.05	2.02	.22	.39	1.59	24.85
54	.43	.98	1.11	4.45	3.22	4.38	2.94	1.61	5.78	5.00	.89	.42	31.21
55	.78	1.37	1.40	2.40	2.39	3.25	4.78	.90	.76	3.58	1.04	.89	23.54
56	.56	.60	1.86	1.45	4.66	3.90	5.85	3.09	1.65	.65	2.13	.87	27.27
57	.35	.43	.46	2.93	5.28	2.48	3.18	3.46	2.15	1.35	3.52	1.59	27.18
58	.42	.16	.50	2.56	1.27	1.82	2.07	2.68	3.20	2.25	1.34	.16	18.43
59	1.04	1.98	1.87	2.84	3.86	1.26	4.21	2.71	5.17	3.27	1.47	2.85	32.53
60	1.04	.48	1.21	3.13	7.75	3.07	1.87	3.52	3.09	2.32	.69	.10	28.27
61	.31	.93	2.12	1.67	1.42	4.31	4.91	2.84	5.02	3.34	2.60	1.27	30.74
62	1.27	2.02	1.13	2.55	2.86	4.35	2.70	2.88	3.87	1.94	.84	1.03	*27.44
63	.68	.59	2.58	.98	1.54	2.67	2.77	2.07	3.00	.73	1.63	.73	19.97
64	1.14	.26	1.76	2.55	4.14	1.05	4.55	2.72	6.74	.44	2.07	.70	28.12
65	.93	.85	2.38	3.62	3.95	1.89	1.96	3.38	7.80	1.32	2.19	2.31	32.58
66	1.18	2.25	2.46	1.38	1.28	1.09	4.19	2.65	1.21	.72	1.58	1.65	21.64
67	2.52	.84	1.13	2.77	2.45	8.47	1.96	2.43	.46	4.71	1.66	1.17	30.57
68	.94	.45	.97	4.84	3.10	6.97	2.00	2.66	3.31	1.01	1.01	2.69	29.95
69	2.65	.04	1.04	2.86	2.66	7.62	2.51	1.19	2.03	3.46	.43	1.43	27.87
70	.73	.23	1.07	1.61	5.76	1.11	4.02	1.25	6.11	2.98	2.68	1.24	28.79
71	1.60	2.03	2.04	1.05	1.67	1.87	3.44	2.99	3.36	2.01	3.21	3.15	28.42
72	.65	.96	2.19	1.45	.82	2.25	1.85	5.86	5.76	1.84	1.15	2.49	27.27
73	1.86	.72	2.43	3.23	8.21	3.20	1.93	2.57	2.91	3.96	1.45	2.41	34.88
74	1.71	1.17	1.07	2.62	4.46	4.91	4.25	1.61	1.05	1.72	2.09	1.67	28.33
75	1.52	1.48	3.44	2.35	2.79	5.27	1.78	9.04	3.18	.36	3.42	.84	35.47
76	1.72	1.33	3.65	2.44	2.42	.31	2.96	1.15	.28	.82	.16	.61	17.85
77	.67	1.38	4.68	3.33	2.47	2.27	2.13	2.37	2.44	1.36	2.70	2.31	28.11
78	1.33	.35	.31	3.44	3.38	2.72	6.03	4.36	4.14	2.33	2.93	1.30	*32.62
79	1.78	1.17	4.49	1.93	3.01	2.21	3.55	5.97	.76	2.72	2.49	1.28	31.36
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

## EXTREME VALUES

### MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

AUSTIN STRAUBEL WI  
STATION NAME

50-81

**YEARS**

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

**USAF ETAC**

FORM  
JUL 64

**0-88-5 (OL A)**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

50-81  
YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	41.3	27.8	13.5	9.9	3.8	1.7	.8	1.0	.1					30.8	992	10.3	24.9	2.3
FEB	47.6	24.9	11.8	9.0	3.3	1.7	.8	.6	.3					27.5	903	8.1	20.6	.5
MAR	58.0	18.6	9.9	6.9	3.2	1.2	1.0	.9	.3					23.4	992	8.8	22.2	TRACE
APR	31.6	12.1	2.6	2.2	.8	.2	.3	.1	.1					6.4	960	2.3	11.8	TRACE
MAY	97.9	1.5	.3	.2	.1									.6	992	.1	2.6	.0
JUN	100.0														960	.0	.0	.0
JUL	100.0														992	.0	.0	.0
AUG	100.0														992	.0	.0	.0
SEP	99.9	.1													930	TRACE	TRACE	.0
OCT	95.3	3.7	.6	.3										.9	961	.1	1.7	.0
NOV	67.0	19.0	7.1	3.8	1.5	.9	.3	.2	.2					14.0	930	4.2	14.1	TRACE
DEC	45.0	26.5	12.9	8.7	2.4	1.9	.8	1.6	.2					28.5	961	10.4	27.0	.7
ANNUAL	77.8	11.2	4.9	3.4	1.3	.6	.3	.4	.1					11.0	11565	44.3		

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

72-450 AUSTIN STRAUBEL WI  
STATION

50-81

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
50	3.5	5.7	1.1	1.8	.0	.0	.0	.0	.0	.0	3.6	5.3	5.7
51	3.0	2.4	5.9	1.0	.0	.0	.0	.0	.0	TRACE	3.4	2.7	5.9
52	5.2	2.8	3.3	1.3	.0	.0	.0	.0	.0	TRACE	1.1	3.0	5.2
53	3.6	6.8	2.2	.2	.0	.0	.0	.0	.0	.0	1.0	1.3	6.8
54	1.0	3.2	2.4	.1	.8	.0	.0	.0	.0	TRACE	3.6	1.7	3.6
55	4.5	3.2	7.5	TRACE	TRACE	.0	.0	.0	.0	TRACE	.5	2.0	7.5
56	1.6	1.0	5.3	3.5	.0	.0	.0	.0	.0	.0	1.6	3.4	5.3
57	1.0	1.7	.6	2.2	.0	.0	.0	.0	.0	TRACE	1.0	2.2	2.2
58	1.6	.5	2.9	1.2	.0	.0	.0	.0	.0	TRACE	2.3	1.0	2.9
59	4.3	9.0	5.2	.5	.0	.0	.0	.0	.0	1.3	3.3	3.8	9.0
60	1.4	3.1	1.6	2.1	2.0	.0	.0	.0	.0	.0	.1	.4	3.1
61	2.1	1.7	2.9	1.5	TRACE	.0	.0	.0	.0	.0	2.0	4.2	4.2
62	3.3	3.8	2.3	TRACE	TRACE	.0	.0	.0	.0	.4	3.5	2.7	* 3.8
63	4.5	2.7	4.0	2.9	TRACE	.0	.0	.0	.0	.0	TRACE	1.0	4.5
64	.8	1.3	6.2	.5	.0	.0	.0	.0	.0	TRACE	.1	1.9	6.2
65	3.0	2.0	7.1	3.3	.0	.0	.0	.0	TRACE	.0	.2	1.0	7.1
66	4.5	.6	1.1	.7	TRACE	.0	.0	.0	.0	TRACE	1.4	4.7	4.7
67	5.7	2.5	2.4	.2	TRACE	.0	.0	.0	.0	.3	1.0	2.5	5.7
68	1.9	1.8	.4	.7	.0	.0	.0	.0	.0	.0	1.3	5.9	5.9
69	5.1	.5	.8	TRACE	.0	.0	.0	.0	.0	.1	1.6	5.5	5.5
70	2.9	1.2	3.7	TRACE	.0	.0	.0	.0	.0	.0	4.8	3.5	4.8
71	5.5	5.0	4.9	.2	TRACE	.0	.0	.0	.0	.0	6.5	6.7	6.7
72	2.1	2.0	8.3	1.4	.0	.0	.0	.0	.0	TRACE	.3	5.3	8.3
73	2.9	3.6	TRACE	4.4	TRACE	.0	.0	.0	.0	.0	2.4	5.2	5.2
74	1.0	6.7	3.6	1.0	TRACE	.0	.0	.0	.0	TRACE	.5	4.4	6.7
75	3.6	6.1	3.0	TRACE	.0	.0	.0	.0	.0	.0	2.1	5.4	6.1
76	3.7	5.5	6.3	.3	.1	.0	.0	.0	.0	.7	1.0	4.2	6.3
77	3.3	.7	4.6	9.8	.0	.0	.0	.0	.0	.0	7.8	7.6	9.8
78	6.8	2.8	.6	TRACE	.0	.0	.0	.0	.0	.0	5.1	5.1	6.8
79	6.4	3.9	4.1	3.7	.0	.0	.0	.0	.0	TRACE	2.5	.9	6.4
MEAN													
S. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)

## EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

720450

AUSTIN STRAUBEL HI

57-81

STATION

STATION NAME

**YEARS**

## 24 HOUR AMOUNTS IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

**USAF ETAC**

FORM  
JUL 64

0-98-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
 XXXXXXXXXXXXXXXXXXXX  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

72-450 AUSTIN STRAUBEL WI  
 STATION STATION NAME

50-81  
 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
50	11.9	15.7	5.0	3.9	.0	.0	.0	.0	.0	.0	4.3	14.1	54.9
51	12.2	7.0	14.1	1.2	.0	.0	.0	.0	.0	TRACE	6.9	10.0	53.4
52	15.5	8.1	7.6	2.3	.0	.0	.0	.0	.0	TRACE	3.1	10.7	47.3
53	6.7	18.4	3.1	.2	.0	.0	.0	.0	.0	.0	1.6	3.2	33.2
54	5.0	7.2	5.4	.1	1.1	.0	.0	.0	.0	TRACE	6.6	4.5	29.9
55	6.7	9.2	10.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	2.3	4.8	33.3
56	4.0	3.5	19.0	5.2	.0	.0	.0	.0	.0	.0	3.7	7.9	43.3
57	3.6	4.2	2.0	6.9	.0	.0	.0	.0	.0	TRACE	2.9	7.2	26.8
58	4.7	1.6	5.6	1.4	.0	.0	.0	.0	.0	TRACE	2.4	1.8	17.5
59	12.1	20.1	19.6	.5	.0	.0	.0	.0	.0	1.7	11.6	13.4	79.0
60	4.4	6.6	2.7	2.5	2.6	.0	.0	.0	.0	.0	.1	.7	19.6
61	5.0	3.8	8.1	1.5	TRACE	.0	.0	.0	.0	.0	3.4	16.8	38.6
62	15.8	20.6	6.7	TRACE	TRACE	.0	.0	.0	.0	.4	6.6	7.8	* 57.9
63	8.0	6.2	13.3	3.9	TRACE	.0	.0	.0	.0	.0	TRACE	4.1	35.5
64	2.9	3.2	14.7	.5	.0	.0	.0	.0	.0	TRACE	.1	6.3	27.7
65	12.5	6.3	17.0	5.5	.0	.0	.0	.0	TRACE	.0	.3	2.8	44.4
66	14.6	1.1	4.5	.9	TRACE	.0	.0	.0	.0	TRACE	2.9	11.9	35.9
67	16.4	9.9	4.0	.2	TRACE	.0	.0	.0	.0	.5	2.9	3.7	37.6
68	9.2	3.0	.6	.7	.0	.0	.0	.0	.0	.0	2.4	26.7	42.6
69	11.8	.5	2.2	TRACE	.0	.0	.0	.0	.0	.1	1.7	16.5	32.8
70	9.8	2.9	8.8	TRACE	.0	.0	.0	.0	.0	.0	5.9	10.7	38.1
71	20.8	11.0	14.8	.2	TRACE	.0	.0	.0	.0	.0	12.6	13.2	72.6
72	8.2	12.1	22.2	2.3	.0	.0	.0	.0	.0	TRACE	.7	17.3	62.8
73	6.8	5.7	TRACE	5.6	TRACE	.0	.0	.0	.0	.0	2.4	15.5	36.0
74	4.4	18.5	11.2	2.0	TRACE	.0	.0	.0	.0	TRACE	1.5	10.4	48.0
75	8.6	19.5	13.4	TRACE	.0	.0	.0	.0	.0	.0	4.4	9.3	55.2
76	24.9	12.4	11.5	.3	.1	.0	.0	.0	.0	1.4	1.7	12.1	64.4
77	12.1	2.4	13.7	11.8	.0	.0	.0	.0	.0	.0	14.1	27.0	81.1
78	18.0	7.1	1.8	TRACE	.0	.0	.0	.0	.0	.0	9.6	15.0	51.5
79	24.0	11.8	6.2	5.0	.0	.0	.0	.0	.0	TRACE	6.2	1.4	54.6
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)



XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
 XXXXXXXXXXXXXXXXXXXX  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS.)

726430 AUSTIN STRAUBEL WI  
STATION STATION NAME

50-81

**YEARS**

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC      FORM JUL 64      0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

72-450 STATION AUSTIN STRAUBEL WI 52-81 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-25	26-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
	SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	3.7	1.3	18.5	10.7	8.2	22.1	18.1	8.2	.1					86.0	899				
FEB	3.	16.1	11.4	9.0	10.3	22.3	18.7	8.7						80.3	819				
MAR	24.5	19.5	10.1	9.0	3.4	11.1	13.0	5.3						52.1	899				
APR	5.0	9.4	2.4	1.0	.8	1.0	.2							5.5	868				
MAY	9.1	.6	.1											.1	899				
JUN	100.0														870				
JUL	100.0														930				
AUG	100.0														930				
SEP	100.0														869				
OCT	99.0	.8	.2											.2	899				
NOV	76.2	12.9	5.1	3.3	1.2	.7	.7							10.9	869				
DEC	18.7	24.9	17.0	9.5	6.8	13.7	8.8	.7						56.4	899				
ANNUAL	67.8	7.9	5.4	3.5	2.6	5.9	5.0	1.9	.0					24.3	10650				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

72-450 AUSTIN STRAUBEL WI  
STATION STATION NAME

52-81  
YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52							0	0	0	TRACE	1	4	
53	3	11	4	TRACE	0	0	0	0	0	0	1	1	11
54	2	5	3	TRACE	TRACE	0	0	0	0	0	2	2	5
55	5	5	7	TRACE	0	0	0	0	0	0	1	3	7
56	2	3	14	4	TRACE	0	0	0	0	0	2	4	14
57	4	4	1	3	0	0	0	0	0	0	1	2	4
58	4	3	4	TRACE	0	0	0	0	0	0	2	1	4
59	7	14	17	1	0	0	0	0	0	1	3	8	17
60	2	4	3	1	1	0	0	0	0	0	TRACE	TRACE	4
61	1	2	2	1	0	0	0	0	0	0	2	12	12
62	13	19	19	TRACE	0	0	0	0	0	TRACE	4	5	19
63	8	7	10	4	0	0	0	0	0	0	TRACE	1	10
64	1	1	10	4	0	0	0	0	0	TRACE	TRACE	2	10
65	6	7	9*	4	0	0	0	0	0	0	TRACE	1	9
66	8	7	2	TRACE	0	0	0	0	0	0	1	7	8
67	10	9	9	TRACE	0	0	0	0	0	TRACE	TRACE	3	10
68	5	2	TRACE	TRACE	0	0	0	0	0	0	1	18	18
69	20	6	2	TRACE	0	0	0	0	0	TRACE	1	10	20
70	13	8	6	0	0	0	0	0	0	0	4	7	13
71	19	19	14	TRACE	0	0	0	0	0	0	10	10	19
72	7	8	15	5	0	0	0	0	0	0	TRACE	13	15
73	6	4	2	5	0	0	0	0	0	0	2	6	6
74	4	10	6	TRACE	0	0	0	0	0	0	1	6	10
75	6	10	13	1	0	0	0	0	0	0	2	6	13
76	15	14	10	TRACE	TRACE	0	0	0	0	1	1	6	15
77	10	6	6	11	0	0	0	0	0	0	11	14	14
78	15	11	7	TRACE	0	0	0	0*	0	0	5	10	15
79	25	24	17	3	0	0	0	0	0	0	2	1	25
80	4	2	6	5	0	0	0	0	0	0	3	6	6
81	6	8	2	TRACE	0	0	0	0	0	0			
MEAN	8.0	8.0	7.6	1.7	.0	.0	.0	.0	.0	.1	2.3	5.8	12.0
S.D.	6.097	5.609	5.448	2.608	.185	.000	.000	.000	.000	.258	2.661	4.560	5.726
TOTAL OBS	899	819	899	868	899	870	930	930	869	899	869	899	10650

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

(FROM DAILY OBSERVATIONS)

**YEARS**

USAF ETAC FORM 0-88-5 (OL A) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)  
JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 202400 ANSTIN STRAUBEL WI YEARS 74-81 MONTH JAN  
CLASS ALL WEATHER  
CONDITION   
HOURS (L.S.T.) 0000-2300

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	1.2	1.6	.3							4.9	7.1
NNE	.2	1.4	2.2	2.3	.1	.1						6.4	7.6
NE	.2	.5	.3	.3								1.4	6.5
ENE		.3	.1									.4	6.7
E	.1	1.4	.8	.1								2.4	6.3
ESE	.1	.3	.3	.4								1.1	6.8
SE	.1	.1	.4	.1								.3	8.0
SSE	.7	.1	1.0	.7	.1							2.6	8.4
S	.3	.5	1.1	.4	.1							2.4	6.3
SSW	1.2	4.6	6.5	3.7	1.1	.4						17.6	9.1
SW		.7	2.2	1.0		.5						4.4	10.8
WSW	.3	.5	1.4	1.0		.1						3.3	9.5
W	.8	5.6	10.7	9.4	1.0	.1						27.6	9.5
WNW	.1	1.0	1.4	2.3								4.8	9.3
NW	.1	1.4	1.8	1.4	.4	.1						5.2	9.7
NNW	.7	1.9	6.1	2.7	1.0							12.4	9.5
VARBL													
CALM												2.4	
	5.3	21.9	37.4	27.3	4.1	1.5						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 735

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 240 AUSTIN STRAUBEL WI STATION NAME 74-81 YEARS JAN  
CLASS ALL WEATHER MONTH 0300-0500  
CONDITION 0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.6	1.5	.1			.1				4.3	16.7
NNE	.7	2.2	2.4	2.3	.1							7.3	8.9
NE		.5	.4	.3								1.5	7.5
ENE		.1	.5									.7	7.6
E	.3	.3	.9	.5								2.0	8.3
ESE	.1	.1	.5	.1								.9	7.7
SE		.5	.3	.3								1.1	7.9
SSE	.5	1.3	.4	.5								2.0	6.7
S		1.5	.5	.5								2.6	7.3
SSW	.1	4.9	5.5	4.9	1.2		.1	.3				17.0	10.2
SW		1.1	1.5	1.1	.1	.1						3.9	9.4
WSW		.7	1.1	.8		.7						3.2	12.2
W	.7	5.1	11.9	9.2	.3							27.1	9.3
WNW	.1	.8	3.6	.5	.1							5.3	8.6
NW	.1	.9	1.8	2.0	.3	.1						5.3	10.6
NNW	.3	3.9	4.0	3.5	.4	.3						12.4	9.4
VARBL													
CALM												2.6	
	2.6	25.2	37.1	28.1	2.7	1.2	.1	.4				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1040 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH JAN  
CLASS ALL WEATHER HOURS 0600-0800  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.9	1.4	.3							3.3	10.4
NNE		2.4	2.3	2.4	.7							7.9	9.6
NE		.5	1.2	.4								2.2	8.2
ENE	.1	.5	.1									.6	5.2
E	.3	.9	.5	.1								1.8	6.2
ESE	.1	.3	.1	.3								.8	7.5
SE	.3	.3	.5	.3								1.4	6.7
SSE	.4	1.1	1.4	.7	.1							3.7	7.7
S		.4	.1	.3	.4							1.2	11.4
SSW		4.9	5.7	4.1	1.1			.3				16.3	9.8
SW	.3	1.4	1.2	.7	.3				.1			3.9	9.7
WSW	.1	.9	1.4	.8	.1	.4						3.8	10.3
W	.4	5.0	11.8	8.8	.8	.3						27.1	9.7
WNW		1.1	2.4	2.8		.1						6.5	10.1
NW		.9	1.5	1.8	.3							4.5	10.3
NNW		2.2	5.4	3.9	.3	.3	.1					12.2	10.0
VARBL													
CALM												3.1	
	2.0	23.4	36.7	28.7	4.3	1.1	.1	.3	.1			100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 738



2  
 NATIONAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALSTIN STRAUBEL WI STATION NAME 74-81 YEARS JAN  
ALL WEATHER CLASS 900-1100  
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.2	.7								2.6	8.8
NNE	.4	1.6	3.0	3.5	.4							9.1	9.9
NE		.4	1.1	.1								1.6	8.3
ENE		.1	.4	.1								.7	8.8
E	.5	1.2	.5	.5								2.8	6.4
ESE	.1		.3	.5								.9	10.0
SE		.3	.7	.1								1.1	8.0
SSE		.4	.5	1.5	.3							2.7	11.0
S	.1	.4	.8	.9								2.3	9.2
SSW	.4	3.7	4.6	6.4	.4		.1	.1				15.7	10.5
SW		.8	.8	1.9	.3		.1					3.9	11.2
WSW	.1	.7	.9	1.5	.3	.1						3.7	10.6
W		3.0	9.9	11.9	.7	.8						26.3	11.0
WNW		1.2	2.0	2.6	.8	.1						6.8	11.3
NW		.1	2.4	1.4	.3	.1						4.3	10.8
NNW	.5	.7	3.9	5.0	1.5	.4						12.1	11.6
VARS													
CALM												3.3	
	2.4	11.3	33.2	38.8	4.9	1.6	.3	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 737

2  
 225450  
 STATION  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

AUSTIN STRAUBEL WI  
 STATION NAME

74-61  
 YEARS

JAN  
 MONTH

ALL WEATHER  
 CLASS

1200-1400  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.5	.5								1.9	8.4
NNE		.5	3.1	3.3	.4							7.3	10.9
NE		.3	1.5									1.8	6.1
ENE		.1	.5	.1								.8	9.3
E		1.5	1.0	.7	.1							3.3	8.0
ESE		.1	.8	.5								1.5	9.9
SE	.1	.3		.1								.5	6.8
SSE		.7	.8	.7	.4							2.6	10.4
S	.1	1.2	1.0	.7								3.0	7.6
SSW	.3	2.6	5.8	7.7	1.4	.1						17.9	10.9
SW		.4	1.2	3.1	.3	.1		.1				5.3	12.2
WSW		.5	.8	1.8	.7			.3				4.1	13.5
W	.3	2.0	10.2	15.4	1.2	.4						29.5	11.5
WNW	.3	.1	1.6	1.9	.5	.4						4.9	12.3
NW	.1	.3	1.0	1.9	.5							3.8	11.6
NNW	.1	1.0	2.6	5.2	1.2	.1	.3					10.5	12.5
VARBL													
CALM												1.4	
	1.4	12.5	32.5	43.6	6.8	1.2	.3	.4				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

736

2  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12140 STATION NAME ALSTIN STRAUBEL WI YEARS 74-81  
CLASS ALL WEATHER MONTH JAN  
HOURS (L.S.T.) 1500-1700

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.5	.1								1.6	6.3
NNE		1.2	4.9	1.5	.7							8.3	9.6
NE		.7	1.4	.3								2.3	7.7
ENE		.5	.5									1.1	6.8
E	.3	1.1	.8	.8								3.0	7.8
ESE	.1	.3	.7	.3								1.4	8.1
SE		.7	.5	.1								1.4	6.9
SSE		1.2	1.0	.8	.1							3.1	9.1
S		1.1	1.0	.4	.1							2.6	8.4
SSW	.3	3.1	7.7	5.6	1.8							18.5	10.0
SW		.7	1.0	1.0	.5							3.1	10.9
WSW		.3	1.6	1.8	.1	.1	.3					4.2	12.1
W	.4	3.3	13.3	13.9	1.0	.5	.1					32.5	10.6
WNW		.1	.7	1.0	.1	.1						2.0	12.3
NW	.3	1.0	2.2	2.0	.5	.1						6.1	10.6
NNW	.1	.8	2.2	2.9	.7	.3						6.9	11.5
VARB													
CALM												1.9	
	1.6	16.8	39.9	32.3	5.7	1.2	.4					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 736

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74450  
 STATION

AUSTIN STRAUBEL WT

STATION NAME

74-81

YEARS

12  
 MONTHS

ALL WEATHER  
 CLASS

1800.000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.5	2.0	.5	.1	.1						4.4	8.4
NNE	.1	3.5	3.5	1.3	.4							6.9	8.2
NE		.8	.4	.3								1.5	7.0
ENE	.3	.3	.3	.1								.9	5.9
E	.3	.5	.8	.5								2.2	7.9
ESE	.1	.4	.5									1.1	6.9
SE	.3	.3	.5	.1								1.2	7.3
SSE	.3	1.2	.9	1.2	.1							3.8	8.9
S	.3	.8	1.2	.7	.4							3.4	9.4
SSW		4.6	4.8	5.4	.7							15.5	9.6
SW	.1	1.5	1.5	.7	.1							3.9	6.0
WSW		.9	2.2	.7		.3						4.0	9.4
W	.1	6.2	13.5	9.3	.7	.3	.3					30.3	9.9
WNW		1.6	1.9	1.5	.3	.1						5.4	9.5
NW		.8	.4	1.9		.3						3.4	11.5
NNW	.1	1.2	3.4	2.0	.7							7.4	10.0
VARBL													
CALM												2.8	
	2.2	26.1	37.8	26.2	3.5	1.1	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

743

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 20645 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH JAN  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 2100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	2.0	.7	.3							3.8	9.3
NNE		2.4	3.4	2.4	.3							6.5	9.1
NE	.1	.9	.1	.1								1.4	6.0
ENE		.1	.1									.3	6.5
E		.4	.5	.3								1.2	7.9
ESE		.4	.1	.4								.9	8.4
SE		.5	.4	.7	.1							1.8	10.0
SSE	.1	1.5	1.1	.8								3.5	7.6
S		.4	1.1	1.2	.5							3.2	11.6
SSW	.5	3.8	5.0	4.5	.4	.1						14.3	9.4
SW		1.5	1.4	.9	.3	.3						4.3	10.0
WSW	.3	.4	.8	.7								2.2	8.4
W	.7	7.0	12.8	8.6	1.5	.5						31.2	9.5
WNW	.4	.8	1.6	2.0	.3							5.1	9.7
NW	.1	.9	1.4	1.1	.3	.1						3.9	9.7
NNW	.9	3.4	3.4	2.7	1.5							11.7	9.2
VARB													
CALM												2.4	
	3.2	25.4	35.3	27.2	5.4	1.1						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 749

JOURNAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

1045 STATION AUSTIN STRAUBEL WI 74-81 YEARS JAN  
 MONTH  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.3	.9	.1	.0		.0				3.4	9.2
NNE	.1	1.7	3.1	2.4	.4	.0						8.3	9.5
NE	.1	.6	.8	.2								1.7	7.5
ENE	.1	.3	.3	.1								.7	7.1
E	.2	.7	.7	.5	.0							2.3	7.3
ESE	.1	.2	.4	.3								1.1	8.5
SE	.1	.4	.4	.2	.0							1.2	7.9
SSE	.3	.7	.9	.9	.2							3.1	8.6
S	.1	.8	.8	.6	.2							2.6	9.1
SSW	.4	4.0	5.7	5.3	1.0	.1	.0	.1				16.6	10.0
SW	.1	1.0	1.3	1.3	.2	.1	.0	.0	.0			4.1	10.3
WSW	.1	.6	1.3	1.1	.2	.2	.0	.0				3.0	10.9
W	.4	4.7	11.8	10.8	.9	.4	.1					29.3	10.1
WNW	.1	.3	1.9	1.8	.3	.1						5.1	10.3
NW	.1	.8	1.5	1.7	.3	.1						4.6	10.6
NNW	.4	1.9	3.9	3.5	.9	.2	.1					10.7	10.4
VARB													
CALM												2.5	
	2.6	20.9	36.3	31.5	4.7	1.3	.2	.2	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 5906

2  
CENTRAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72450 STATION 4051N STRAUBEL WI STATION NAME 74-91 YEARS 0000-0200 MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	1.2	.1								2.9	6.8
NNE	.3	3.6	5.3	3.7	.7	.4	.1					14.5	9.8
NE		.3	.7	.7								1.0	10.0
ENE	.1											.1	3.0
E		.9	.9	.4								2.2	7.5
ESE		.1	.3	.3								.7	9.4
SE		.1	.1	.4								.7	11.0
SSE	.4	1.3	.7	.7	.3							3.5	8.0
S		.6	.4	.3								1.3	8.3
SSW	.9	5.2	5.0	5.3	1.0							17.4	9.3
SW		1.2	1.5	1.2								3.6	8.7
WSW		1.6	1.6									3.2	7.0
W	.9	5.9	9.3	5.6	.7							22.1	8.9
WNW	.1	.4	.6	.6								1.8	9.0
NW	.4	.9	1.6	.4	.1							3.5	6.0
NNW	.3	6.6	6.0	3.4	.4							16.8	6.1
VARBL													
CALM												3.4	
	3.7	30.5	35.1	23.3	3.4	.4	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 120401 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH FEB  
CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.2	.4	.1							3.6	8.7
NNE	.1	2.5	5.6	3.3	1.2	.3	.1					13.2	10.3
NE		.3	.6	1.2								2.1	10.8
ENE	.1	.4	.1	.7								1.5	9.5
E	.1	.9	1.5	.3								2.6	7.2
ESE		.1	.1	.3								.6	10.5
SE		.3		.1								.4	8.3
SSE	.4	.7	.9	.9								3.0	8.0
S	.3	1.0	.6	.7								2.7	7.6
SSW	.9	6.8	4.4	4.1	.4							16.7	8.2
SW	.1	1.2	1.2	.9								3.4	7.9
WSW	.3	1.3	1.3	.7								3.7	7.4
W	.7	5.8	9.3	3.7	.7							20.3	8.5
WNW	.1	.6	.9	.6	.1							2.4	8.8
NW	.3	.9	1.5	.9	.7							4.3	10.2
NNW	.4	4.4	5.9	3.4	.1	.1						14.5	8.8
VARB.													
CALM												5.0	
	4.1	28.1	36.2	22.3	3.6	.4	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 676



2  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-451 STATION AUSTIN STRAUBEL WI 74-81 YEARS FEB  
MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 000-0800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.4	.4	.4							2.7	8.8
NNE	.1	3.7	4.9	5.2	.7	.3	.1					15.3	10.3
NE		.6	.7	1.6	.1							3.1	11.1
ENE		.3	.3	.4								1.0	9.3
E	.7	.6	.7	.3								1.9	7.3
ESE			.1	.1	.1							.4	13.3
SE	.1	.4	.1	.3								1.0	8.0
SSE	.6	.6	.9	.4								2.5	6.8
S		.4	.7	.7								2.4	8.5
SSW	1.5	6.6	6.6	4.7	.3							19.3	8.2
SW	.3	1.7	1.2	.4								3.8	6.5
WSW	.1	.9	.7	.4								2.2	7.3
W	.7	3.7	9.3	4.7	.4							18.9	8.9
WNW	.1	.3	.6	.3								1.3	6.2
NW		.4	1.6	1.2	.3							3.5	10.3
NNW	.7	4.9	5.9	4.0	.9	.1						16.5	9.1
VARBL													
CALM												4.3	
	4.3	27.1	35.2	25.4	3.4	.4	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 678

METEOROLOGICAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2645 STATION AUSTIN STRAUBEL WI 74-81 YEARS FEB MONTH  
 CLASS ALL WEATHER 0900-1100 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.5	1.0	.4	.1						3.5	11.5
NNE	.1	2.5	5.3	5.5	1.6	.3						15.4	13.8
NE		1.0	1.3	.4	.3							3.1	8.8
ENE		.4	.7	.4								1.6	6.3
E	.3	.9	1.8	1.6	.6							5.2	10.2
ESE		.1	.3									.4	6.3
SE		.1	.1	.4								.7	13.0
SSE	.1	.7	.9									1.3	6.5
S		.7	.6	.4								1.8	8.2
SSW	.7	5.3	6.8	7.1	.9	.4						21.3	9.9
SW		1.2	.9	.9	.3							3.2	9.5
WSW		.1	.9	.4								1.5	9.5
W	.4	2.8	6.1	7.7	1.2							13.2	10.4
WNW	.1	.6	.4	1.5	.4							3.1	11.6
NW			.6	1.8	.6							3.5	13.5
NNW	.1	3.1	2.8	6.6	1.3							14.0	11.0
VARBL													
CALM												2.2	
	2.1	20.2	31.0	35.9	7.7	.9						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 677

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION AF44 STATION NAME AUSTIN STRAUBEL HI YEARS 74-81 MONTH FEB  
 CLASS ALL WEATHER  
 CONDITION   
 1200-1400  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.4	.9	.4							2.4	11.4
NNE		.6	4.1	3.0	1.5	.3						14.5	11.9
NE		.7	1.6	1.9								3.8	10.7
ENE	.1		1.0	.3	.1							1.6	10.2
E	.3	1.5	1.3	1.8	.1							5.0	9.1
ESE		.1	.1	.3								.6	9.3
SE		.4	.1	.3								.9	8.5
SSE	.1	.4	1.0	.9								2.5	9.4
S	.1	1.0	1.8	.1								3.1	7.4
SSW	.7	2.8	5.9	6.0	4.1	.4						21.1	11.6
SW		.4	1.3	.9								2.7	10.3
WSW		.1	.7	1.2	.1							2.2	12.1
W	.1	1.2	6.8	9.7	2.4							20.9	11.6
WNW		.3	.6	1.5	.6							2.9	12.3
NW		.6	1.8	1.5	.7							4.8	11.1
NNW	.1	2.4	3.2	3.4	1.6							10.8	10.8
VARBL													
CALM												1.5	
	1.9	13.6	32.0	38.6	11.8	.7						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00045 STATION AUSTIN STRAUBEL WI 74-81 YEARS FEB MONTH  
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.4	.3								1.0	8.9
NNE	.1	2.1	5.3	6.8	.7							15.0	10.7
NE		1.0	1.9	1.2	.4							4.6	9.8
ENE	.1	.7	1.2	.6								2.7	8.2
E		1.3	1.5	1.0								3.6	8.5
ESE			.1	.1								.3	9.5
SE		.3	.1	.1								.6	8.3
SSE	.3	1.0	2.9	.7								5.0	8.1
S	.1	.4	.4	.6								1.6	8.4
SSW	.1	2.4	8.1	6.6	2.4	.1						19.8	11.1
SW	.1	1.2	1.6	.9		.1						4.0	9.1
WSW		.3	1.0	1.9								3.2	11.0
W		4.7	6.6	9.6	2.8	.3						24.0	10.9
WNW	.1	.9	.7	.4	.1							2.4	8.6
NW	.1	.3	.7	.7	.3							2.2	10.5
NNW	.1	1.6	1.8	3.8	.7							8.3	10.9
VARBL													
CALM												1.5	
	1.5	18.7	34.7	35.5	7.5	.6						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 678

CLIMATE CLIMATOLOGY BRANCH  
 USAF TAC  
 WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 12043 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH FEB  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.0	.6	.4							3.1	9.0
NNE	.6	3.4	4.0	4.9	1.3							14.2	9.8
NE	.1	.6	1.8	1.0								3.5	8.8
ENE		.7	.1									.9	5.0
E	.3	1.9	2.2	.9								5.3	7.8
ESE		.1	.1	.1								.4	6.7
SE													
SSE	.9	.4	1.2	1.2								4.3	8.3
S		1.5	.9	.6								2.9	7.6
SSW	.7	4.7	7.8	5.5	1.3							20.1	9.1
SW		1.5	1.3	.3								3.1	7.6
WSW		1.0	.9		.1	.1						2.2	8.3
W	.9	7.7	9.7	5.6	.7							24.6	8.6
WNW		.1	.3	.6	.1							1.2	11.0
NW		.1	.9	1.0								2.1	10.9
NNW	.6	1.9	2.1	3.2	.1							8.0	9.3
VARBL													
CALM												4.1	
	4.4	26.5	35.0	25.5	4.3	.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 678

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

104401  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	1.3	.4	.3	.1						2.9	9.6
NNE	.6	2.5	5.6	4.6	.9	.4						14.6	10.3
NE	.1	.6	1.0	.6	.1							2.5	9.0
ENE		.1	.1	.1								.4	8.0
E	.3	1.6	1.8	.1								3.8	6.7
ESE			.1	.4								.6	12.3
SE				.1								.1	14.0
SSE	.3	1.3	1.2	1.0	.3							4.1	9.0
S			.7	.1								.9	10.2
SSW	1.2	5.6	5.3	6.2	.7							19.3	8.9
SW	.6	1.3	1.5	.4								3.8	6.9
WSW	.1	.7	1.0	.4	.3							2.7	9.2
W	.4	5.6	10.8	4.7	1.2							22.7	9.0
WNW	.1	1.0	.7	.4								2.4	7.9
NW		.3	1.8	.3								2.4	8.2
NNW	.3	5.3	4.4	2.8	.6							13.4	8.4
VARBL													
CALM												3.5	
	4.4	26.5	37.5	23.0	4.4	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

678

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7245  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.1	.5	.3	.0						2.8	9.4
NNE	.3	2.6	5.0	5.2	1.1	.3	.1					14.5	10.5
NE	.0	.6	1.2	1.1	.1							3.1	9.9
ENE	.1	.4	.5	.3	.0							1.2	8.5
E	.2	1.2	1.5	.8	.1							3.8	8.3
ESE		.1	.2	.2	.0							.5	10.3
SE	.9	.2	.1	.2								.6	9.2
SSE	.4	.8	1.3	.7	.1							3.3	8.2
S	.1	.8	.8	.5								2.1	8.0
SSW	.8	4.9	6.3	5.7	1.4	.1						19.2	9.6
SW	.1	1.2	1.3	.7	.0	.0						3.5	3.2
WSW	.1	.8	1.0	.6	.1	.0						2.6	8.9
W	.5	4.8	8.4	6.4	1.3	.0						21.5	9.6
WNW	.1	.5	.6	.7	.2							2.2	9.9
NW	.1	.4	1.3	1.0	.4							3.2	10.3
NNW	.4	3.8	4.0	3.8	.7	.0						12.8	9.4
VARBL													
CALM												3.2	
	3.3	23.9	34.6	28.7	5.8	.5	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

5421

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 72645 STATION NAME ALSTIN STRAUBEL WI YEARS 74-81 MONTH MAR  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.6	.5		.1						3.8	8.0
NNE	.3	2.3	5.6	6.2	1.2							15.6	10.5
NE		.7	1.2	.7	.3							2.8	9.4
ENE	.3	.9	.3	.3	.3							2.0	6.7
E	1.2	1.5	1.3	2.3	.3	.4						7.0	9.3
ESE		.3	.3	.1								.7	8.4
SE		.7	.4	.1								1.2	6.6
SSE	.5	2.6	1.1	.7								4.8	6.4
S		.4	.8	.3								1.5	8.5
SSW	.5	4.3	5.4	4.0	.1							14.4	8.6
SW		.8	.8	.5								2.2	8.4
WSW	.1	1.5	.9	.3								2.8	6.6
W	.4	6.2	9.1	3.2								19.0	8.1
WNW	.1	.8	1.5									2.4	7.1
NW		.5	2.2	1.1								3.6	9.4
NNW	.1	3.6	5.2	2.2	.7							11.8	8.5
VARBL													
CALM												4.3	
	3.8	28.4	37.8	22.4	2.8	.5						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 744



2  
 FEDERAL CLIMATOLOGY BRANCH  
 U.S. METAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72040  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

74-81  
 YEARS

MAR  
 MONTH

ALL WEATHER  
 CLASS

0300-0500  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.2	.3	.4							3.2	8.6
NNE	.7	3.2	4.7	6.7	.8							10.1	10.0
NE		.4	1.6	.1	.1							2.3	8.4
ENE	.1	.5	.4	.3	.3	.3						1.9	11.1
E	.1	2.0	2.2	1.3								5.6	8.5
ESE		.5	.1	.1								.8	6.6
SE	.1	.3	.3	.7								1.3	9.8
SSE	.1	2.4	2.2	.8								5.5	7.3
S	.1	.9	.7	.3	.1							2.2	7.6
SSW	.5	4.6	5.2	3.5	1.2							15.1	8.8
SW	.1	.7	.5	.5								1.9	7.7
WSW	.4	.5	.7	.3								1.9	6.8
W	.2	3.6	9.4	4.2								17.5	8.6
WNW		.5	1.1	.3								1.9	7.9
NW	.1	.5	2.4	.9								4.0	8.8
NNW	.7	3.5	5.8	2.6	.4							12.9	8.6
VARBL													
CALM												5.9	
	3.6	25.5	38.4	22.8	3.4	.3						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

706457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	1.3	1.5	.3							4.6	9.6
NNE	.4	2.2	5.0	4.2	1.3	.4						13.4	10.7
NE		.3	1.2	.5	.1							2.2	9.4
ENE	.4	.7	.5	.5								2.4	7.2
E	.7	1.1	2.0	1.5	.8							6.3	9.9
ESE	.1		.3	.3	.1							.8	11.5
SE	.1	.3	.4	.3								1.1	7.8
SSE	.4	2.0	3.1	1.6								7.1	7.9
S		1.1	.9	.9								3.0	8.9
SSW	1.5	3.8	5.9	3.2	.9	.5						15.9	9.3
SW		.8	1.2	.8								2.8	8.7
WSW	.1	.9	1.5	.4	.3							3.2	8.3
W	.3	4.0	8.1	3.6	.3							16.3	8.6
WNW		1.2	1.2	.4								2.8	7.6
NW	.3	.7	1.7	.9	.3							3.9	9.1
NNW	.1	2.3	5.4	2.4	.5	.1						10.9	9.5
VARB.													
CALM												3.6	
	4.7	22.7	39.8	23.1	5.0	1.1						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

744

2  
JERSEY CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12145 STATION ALSTIN STRAUBEL WI 74-81 YEARS  
STATION NAME CLASS ALL WEATHER  
CONDITION  
MAP MONTH 0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.3	1.2								3.0	10.0
NNE	.1	1.5	3.2	4.7	2.2	.1						12.0	11.8
NE		.4	.9	1.5	.7							3.5	12.3
ENE		.7	1.3	.5								2.6	8.4
E	.4	1.3	1.1	3.2	.9							7.0	11.2
ESE		.3	.5	.4	.1							1.3	10.3
SE		.4	.4	.9								1.7	10.2
SSE	.3	1.2	3.2	3.0								7.7	9.6
S		1.6	1.5	.9	.1							4.2	8.7
SSW	.7	3.4	3.5	7.4	1.6	1.3						17.9	11.9
SW		.3	.4	.9								1.6	10.3
WSW		.1	.7	.9	.1							1.9	11.4
W		2.3	6.6	5.4	1.7	.3						16.3	11.0
WNW			.7	1.2	.1	.1						2.2	12.9
NW		.3	1.5	2.3	.5							4.6	12.0
NNW		1.1	2.7	7.1	1.1							12.0	11.9
VARB													
CALM												.7	
	1.5	15.3	29.6	41.7	9.3	1.9						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7245 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH MAY  
CLASS ALL WEATHER  
HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.7	.3							1.5	12.3
NNE		.2	2.8	3.6	2.2	.1						9.5	12.5
NE		.1	1.3	1.7	.7							3.9	12.4
ENE	.1	.3	.5	.7	.3							1.9	11.5
E	.1	2.3	2.0	3.9	.9	.1						9.4	10.6
ESE		.1	.3	.5								.9	11.3
SE	.1	.3	.5	.7								1.6	9.6
SSE	.1	1.5	2.7	3.1	.4							7.8	10.0
S		.5	1.1	.9	.1	.1						2.8	10.7
SSW		2.3	5.6	7.7	3.8	.9	.1					20.4	12.7
SW		.3	1.3	2.0	.1		.1					3.9	12.2
WSW		.1	1.2	.7	.1							2.2	10.3
W		1.5	4.6	8.1	1.5	.1						15.7	11.8
WNW			.7	2.0	.8	.1						3.6	14.4
NW		.3	1.5	1.7	.3	.3						4.0	11.9
NNW		.5	2.6	4.8	1.2	.4						9.5	12.5
VARBL													
CALM												1.2	
	.5	11.2	29.2	42.9	12.5	2.3	.3					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 744

2  
 SIGNAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 7446 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH MAY  
 CLASS ALL WEATHER MONTH 1500-1700  
 CONDITION  HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.5	.8	.5	.1						0.2	13.2
NNE			2.7	4.6	2.4							9.7	13.6
NE	.1		1.6	1.2	.5	.1						3.6	12.0
ENE		.1	1.6	.8	.4	.3						3.2	11.7
E	.4	1.5	3.0	3.5	.5							8.9	10.2
ESE		.1	.7	.9								1.7	9.8
SE	.1	.3	.7	.9								2.0	9.6
SSE	.4	2.2	2.8	2.4	.4							6.2	8.9
S		1.1	2.3	.8								4.2	8.5
SSW		2.2	5.9	7.4	2.3	.4						18.1	11.7
SW	.1	.1	.5	1.6		.1	.3					2.8	13.9
WSW			1.3	.9								2.3	10.5
W		2.3	5.6	7.0	2.8							17.7	11.6
WNW		.3	.5	.8	.5	.1						2.3	12.7
NW		.3	.4	2.0	.3							3.0	12.8
NNW	.1	.7	2.7	3.4	1.3	.1						8.3	11.7
VARBL													
CALM												1.7	
	1.3	11.2	32.9	39.1	12.1	1.3	.3					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 744

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

7245 STATION AUSTIN STRAUBEL #1 74-81 YEARS MAC MONTH  
CLASS ALL WEATHER 1600-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.4	1.1	.5							2.3	14.5
NNE	.3	1.9	4.2	4.4	1.1	.4						12.2	14.5
NE												3.6	10.0
ENE	.1	.4	1.7	1.1	.1	.1						2.4	9.9
E	.2	2.4	2.6	2.6	.1	.1						.7	8.6
ESE		.5	.8	.4								1.7	8.2
SE		.9	.9	.5	.1							2.6	8.6
SSE	.3	2.7	3.6	1.6								.2	8.1
S		1.1	1.2	.1								2.4	7.0
SSW	.4	3.5	8.3	5.4								17.6	9.1
SW		.1	1.5	.7	.1							2.4	9.7
WSW			1.0	.5								3.6	8.1
W	.4	2.9	8.2	6.7	.5							16.5	9.2
WNW		.3	.5	.7								1.5	10.5
NW		.4	1.3	.5								2.3	8.5
NNW		1.7	3.4	2.3	.3							7.7	9.4
VARBL													
CALM												2.2	
	2.7	20.6	41.3	29.4	3.2	.7						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFMPC  
AIR WEATHER SERVICE/AFAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-49	AUSTIN STRAUBEL-WI	74-81	MAC
STATION	STATION NAME	YEARS	MONTH
ALL WEATHER			
CLASS			
CONDITION			
MOVES (L.S.V.)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.3	1.2	.4							3.9	10.0
NNE	.5	1.2	3.8	5.0	1.6							12.1	11.1
NE		.7	.5	.7	.7							2.6	11.3
ENE	.1	.5	.7	.5	.4	.1						2.4	10.9
E	.1	3.5	1.9	2.4		.1						8.1	8.3
ESE		.5	.1	.3								.9	7.9
SE		1.1	.4		.1							1.5	6.8
SSE	.4	3.2	1.6	.7	.3							5.2	7.3
S	.3	.7	1.6	.9								3.5	5.3
SSW	.9	3.9	5.4	3.8	.1	.1						14.3	8.5
SW		1.2	.5	.5								2.3	7.4
WSW		.5	1.2									1.7	6.4
W	.5	5.4	7.5	5.2	.4							19.1	8.8
WNW		.7	.8	1.1	.1							2.7	9.8
NW		.7	.9	.5	.1							2.3	8.9
NNW	.1	3.6	5.2	2.3	.7							12.0	8.7
VARBL												4.3	
CALM													
	3.2	28.3	33.6	25.2	5.0	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 743

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74-45

AUSTIN STRAUBEL WI

74-81

MAC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	1.0	.9	.5	.0						3.0	10.1
NNE	.3	1.7	4.0	4.9	1.6	.1						12.6	11.2
NE	.0	.4	1.3	.9	.4	.0						3.1	10.9
ENE	.2	.5	.8	.6	.2	.1						2.4	9.9
E	.5	1.7	2.0	2.6	.5	.1						7.6	9.5
ESE	.0	.3	.4	.4	.0							1.1	9.3
SE	.1	.5	.5	.5	.0							1.6	8.7
SSE	.2	2.2	2.5	1.7	.1							6.9	8.4
S	.1	.9	1.3	.7	.1	.0						3.0	8.6
SSW	.6	3.5	5.7	5.3	1.3	.4	.0					16.7	10.2
SW	.0	.5	.9	1.0	.0	.0	.1					2.5	10.1
WSW	.1	.6	1.2	.5	.1							2.5	8.5
W	.2	3.5	7.4	5.4	.0	.1						17.5	9.7
WNW	.0	.5	.9	.8	.2	.1						2.4	10.6
NW	.1	.5	1.5	1.3	.2	.0						3.5	10.3
NNW	.2	2.1	4.1	3.4	.8	.1						10.6	10.0
VARBL													
CALM												3.3	
	2.7	20.4	35.3	30.8	6.7	1.1	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

5950



U.S. NAVAL CLIMATOLOGY BRANCH  
 1300-100  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 45 STATION NAME AUSTIN STRAUBEL #1 YEARS 74-81 APF NORTH  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.8	1.7	.3							4.2	12.9
NNE	.4	3.9	7.6	8.9	.6							21.4	10.0
NE	.3	1.7	1.7	1.9	.1							5.7	9.2
ENE	.3	.6	1.0	.6	.1							2.5	8.7
E	.3	2.4	3.6	2.4	.6							9.2	9.2
ESE	.3	.1	.1	.1								.7	6.4
SE	.1	.6	1.0	.3								1.9	7.0
SSE	.6	1.7	.7	.7								3.6	6.9
S	.3	.4	1.5	.4								2.6	7.7
SSW	1.2	4.6	5.1	2.8								13.7	7.2
SW	.1	.8	1.1	.3								2.4	7.2
WSW	.1	.4	.4	.4								1.4	8.2
W	.7	3.3	4.3	1.4	.1							9.9	7.5
WNW		.3	.7	.6		.1	.1					1.3	11.4
NW	.1	.7	.8	.1			.1					1.9	8.1
NNW	.7	4.3	3.7	2.4	.4							11.5	8.0
VARBL													
CALM												5.6	
	5.6	26.1	35.3	24.9	2.2	.1	.3					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 435 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTHS APR  
STATION 1145 STATION NAME ALL WEATHER CLASS 0300-1900  
CONDITION 0000-1900

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	2.2	1.7								5.6	8.7
NNE	.6	4.6	7.8	5.8	1.4	.1						20.6	9.6
NE	.1	1.0	1.5	.7		.1						3.5	8.6
ENE	.3	1.1		.3	.1							1.6	7.1
E	1.0	3.1	1.7	2.5	.4							6.6	6.2
ESE		.1	.3	.3								.7	9.2
SE		.8	.7	.4								1.9	7.2
SSE	.7	2.5	1.2									4.4	5.8
S	.3	1.4	1.0	.3								2.9	6.3
SSW	1.0	5.3	3.5	1.7	.6							11.9	7.6
SW		.8	1.0	.4								2.2	7.5
WSW		.8	1.2	.1								2.2	7.3
W	1.0	2.4	3.7	2.4	.1							9.6	8.1
WNW	.3	.3	.6	.6		.1						1.6	9.5
NW	.3	.4	.8	.4								1.9	8.4
NNW	.3	4.7	6.1	4.2	.1	.3						15.8	8.7
VARBL													
CALM												4.4	
	6.2	30.8	33.3	21.7	2.8	.7						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 72

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM 74-1  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 7445 AUSTIN STRAUBEL WI STATION NAME 74-81 YEARS APR  
 CLASS ALL WEATHER MONTH 0600-1800  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.8	2.1								4.9	9.4
NNE	.3	3.3	9.2	7.9	1.1	.6						22.4	10.6
NE		1.2	1.4	1.2	.4							4.3	9.9
ENE		.6	.3	.7								1.5	9.5
E	.3	2.9	2.4	2.4	.6							6.5	9.1
ESE		.4	.4	.6								1.4	9.5
SE		.6	.8	.6	.1							2.1	9.6
SSE	.4	1.4	2.9	.8								5.6	7.8
S	.1	.8	1.0	.6	.1							2.6	8.2
SSW	.8	3.9	6.1	2.5	.3							13.6	8.7
SW		1.5	1.5	.4	.7							4.2	9.5
WSW		.3	.4	.6	.1							1.4	10.3
W	.3	1.7	3.2	2.2	.3							7.6	9.2
WNW	.1	.1	1.0	.7	.3							2.2	10.1
NW		.3	1.1	1.0	.7							3.1	12.0
NNW	.1	3.9	4.0	4.2	.6							12.8	9.3
VARBL													
CALM												1.9	
	2.5	23.9	37.5	28.3	5.3	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 720

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7445 AUSTIN STRAUBEL WI 74-81 YEARS APR  
STATION NAME CLASS MONTH  
ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	2.2	.1							2.6	12.4
NNE	.3	2.9	5.3	9.6	3.1	.6						21.5	12.0
NE	.1	.1	.8	2.1	.6	.1						3.9	12.4
ENE		.6	1.4	1.2								3.2	9.5
E		2.1	3.1	2.8	1.5							9.4	10.8
ESE			1.0	.3								1.2	9.4
SE	.1	.7	1.2	.7								2.8	8.5
SSE		.7	3.3	1.9	.3							6.2	9.9
S		.6	.4	1.4	.6							2.9	12.2
SSW	.1	2.1	5.4	6.8	2.2	.1						16.8	11.5
SW		.3	.7	.8	.3	.3						2.4	12.9
WSW			.8	1.1	.1							2.1	11.6
W	.1	1.2	2.1	4.9	1.6							9.3	11.3
WNW			.3	.6	.4							1.2	14.5
NW		.4	1.1	1.7	.4	.4						4.3	12.4
NNW		1.2	1.8	5.7	1.7							10.1	12.5
VARBL													
CALM												.1	
	.3	12.5	29.2	43.7	12.2	1.5						101.2	11.5

TOTAL NUMBER OF OBSERVATIONS 720

AL CLIMATOLOGY BRANCH  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1445 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTHS ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.1	.6								1.0	13.4
NNE		1.1	5.6	7.5	1.2	.7						16.1	12.1
NE	.1	.1	1.3	2.6	1.0	.1						5.9	12.5
ENE		.6	1.0	1.5	.1							3.2	10.0
E	.2	1.9	4.4	3.7	.8	.1						11.4	10.2
ESE		.1	.7	.7								1.5	10.5
SE		.3	.7	.8	.6							2.4	11.6
SSE		1.2	2.1	3.2	.1							6.7	10.5
S		.3	1.2	.8	.4							2.8	10.9
SSW		.7	3.9	6.9	3.7	1.0						16.2	13.7
SW		.1	.8	1.1	.4	.1	.1					2.6	14.0
WSW		.6	1.0	1.0	.8	.1						3.5	12.8
W	.1	1.4	2.5	5.0	1.4	.1						14.6	11.7
WNW		.1	.4	1.2	.4							2.2	12.5
NW	.3	.3	.3	1.7	1.0							3.5	12.4
NNW	.1	.6	2.1	5.4	1.8							10.0	12.7
VARBL													
CALM												.4	
	1.0	9.7	28.6	43.9	13.9	2.4	.1					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 722

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17450 STATION ALSTIN STRAUBEL WI 74-81  
STATION NAME YEARS  
APR 1900-1900  
MONTHS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6	.8								1.4	10.9
NNE		1.1	5.7	6.7	2.2	.4	.1					18.3	12.1
NE			1.9	3.3	1.0							6.2	12.6
ENE		.1	1.2	.6	.4							2.4	11.3
E	.1	1.2	4.9	3.5	.6							10.3	9.8
ESE		.1	.1	.7	.1							1.1	12.4
SE		.1	1.5	2.5	.1							4.3	11.3
SSE		.7	2.8	3.2	.3							6.9	10.6
S		.3	.7	.7	.1							1.5	10.3
SSW	.1	1.9	3.3	6.1	3.6	.3	.1					15.6	12.7
SW		.1	1.0	1.2	.3	.3						2.9	12.9
WSW		.1	.6	.6	.4	.3						2.2	13.9
W	.3	1.1	2.8	5.6	1.9							11.7	12.2
WNW			.7	.8	.1	.1						1.8	12.5
NW		.6	.8	2.1	.7							4.2	12.3
NNW			2.5	4.7	1.2							8.5	12.9
VARBL													
CALM												.4	
	.6	7.6	31.1	45.4	13.2	1.4	.3					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 720

AL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 104450 STATION NAME AUSTIN STRAUBEL HT YEARS 74-81 MONTH APR  
CLASS ALL WEATHER HOURS (L.S.T.) 1800-2000  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.6	.7								1.2	11.5
NNE	.1	2.8	8.2	6.0	1.5	.4						19.0	10.4
NE		.9	2.6	1.9	.1							5.6	9.9
ENE	.1	.3	1.1	1.1	.1							2.8	9.3
E	.4	3.3	6.9	3.2	.6							14.3	8.9
ESE		.3	1.0	.6								1.8	9.5
SE		1.5	3.5	.4	.1							5.6	7.9
SSE	.4	2.4	5.4	1.8								12.0	8.2
S	.1	1.0	1.4	.7	.1							3.3	8.5
SSW	.1	1.8	5.3	3.7	.3							11.2	9.5
SW	.1	.3	.7		.1							1.2	7.6
WSW		.1	.6	.1								.5	8.7
W	.1	2.6	3.2	3.2	.4	.1	.1	.1				12.0	10.3
WNW		.3	.4	.7	.1							1.5	10.5
NW		.1	.6	.8								1.5	10.6
NNW	.1	1.2	3.5	3.9								6.7	10.1
VARBL													
CALM												1.0	
	1.8	19.2	44.7	28.9	3.6	.6	.1	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700457  
STATION

AUSTIN STRAUBEL WT  
STATION NAME

74-81  
YEARS

APR  
MONTH

ALL WEATHER

CLASS

2100-2300

HOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.5	1.7	.4							4.3	10.7
NNE	.4	2.2	6.2	5.7	1.5	.1						18.2	10.5
NE		1.4	.8	2.8	.1							5.1	10.3
ENE	.1	.6	1.1	.6	.1							2.5	9.7
E	1.2	3.9	5.0	2.8	.1							13.1	8.2
ESE		.4		.1								.6	7.5
SE		1.1	.8	.1	.1							2.2	7.4
SSE	1.0	3.7	3.2	1.0	.1							9.5	6.9
S	.1	1.1	2.2	.8								4.3	8.1
SSW	.4	4.0	5.4	3.6								13.5	8.3
SW	.1	.4	.6	.1								1.2	6.7
WSW		1.1	.4	.1	.1							1.8	7.2
W	.3	3.3	2.2	1.1	.6							7.5	8.0
WNW		.1	1.0	.6			.1					1.8	11.1
NW	.1	.4	.8	.6	.1	.1	.1					2.4	11.2
NNW	.1	2.8	3.1	2.2	.7							8.9	8.8
VARBL													
CALM												3.6	
	4.0	27.4	36.4	23.9	4.2	.3	.3					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

720



U.S. NAVAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7443 STATION NAME AUSTIN STRAUBEL HI YEARS 74-81 MONTH APR  
 CLASS ALL WEATHER  
 CONDITION ALL  
 HOURS (L.S.T.) 0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.5	1.1	1.4	.1							3.2	11.3
NNE	.3	2.7	7.2	7.5	1.6	.4	.0					19.7	10.9
NE	.1	.2	1.6	2.1	.4	.1						5.0	10.6
ENE	.1	.5	.9	.8	.1							2.5	9.4
E	.5	2.6	4.0	2.9	.6	.0						10.6	9.3
ESE	.0	.2	.5	.4	.0							1.1	9.6
SE	.2	.7	1.3	.7	.1							2.9	9.0
SSE	.4	1.8	2.7	1.6	.1							6.6	8.5
S	.1	.7	1.2	.7	.2							2.9	8.9
SSW	.5	3.0	4.8	4.3	1.3	.2	.0					14.1	10.1
SW	.1	.6	.9	.6	.2	.1	.0					2.4	10.2
WSW	.0	.4	.7	.5	.2	.1						1.9	10.5
W	.4	2.1	3.0	3.2	.7	.0	.0	.0				9.5	9.9
WNW	.1	.2	.6	.7	.2	.1	.0					1.6	11.5
NW	.1	.4	.8	1.0	.4	.1	.0					2.5	11.4
NNW	.2	2.3	3.4	4.1	.8	.0						10.6	10.2
VARBL													
CALM												2.2	
	2.8	19.7	34.5	32.6	7.2	.9	.1	.0				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 5760

4124

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70645 STATION AUSTIN STRAUBEL WI 74-81 YEARS MAY  
STATION NAME CLASS 0000-0200  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.0	.7								3.8	8.3
NNE	.4	3.6	5.9	3.6	.7							14.2	9.1
NE	.5	.5	2.2	1.1								4.3	9.0
ENE		1.5	.4	.3								2.2	6.3
E	.8	4.3	2.2	.4								7.7	6.2
ESE		.1	.1	.3								.5	11.5
SE		.4		.4								.8	9.5
SSE	.5	2.8	1.3	.3								5.0	5.9
S	.3	2.0	1.1	.4								3.8	6.8
SSW	1.6	5.9	4.4	2.7	.4	.1						15.2	7.6
SW		.5	.5	.5								1.6	8.8
WSW	.3	1.3	1.1	.4								3.1	6.9
W	.7	6.3	4.2	.8								12.0	6.4
WNW	.1	1.1	.1	.3	.1							1.7	7.4
NW	.1	1.2	.8	.1								2.3	6.4
NNW	1.2	5.5	3.4	1.2								11.3	6.6
VARBL													
CALM												10.6	
	6.6	38.3	29.7	13.4	1.2	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
 DETACH  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724400 STATION NAME ASTAN STRAUBEL WI STATION MADE 74-81 YEARS MONTH MAY  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.6	1.1								4.2	8.2
NNE	.7	4.0	5.8	2.7	.5	.1						13.9	8.7
NE	.1	1.1	1.9	1.9								5.0	9.2
ENE		1.1	.4									1.5	5.6
E	.5	3.2	1.7	.1								5.6	6.2
ESE		.5	.4	.1								1.1	7.1
SE		.1	.7	.3	.1							1.2	10.3
SSE	.7	2.6	1.3	.4								5.0	6.1
S	.9	2.6	.7	.1								4.3	5.1
SSW	1.5	7.1	2.8	2.4	.4							14.2	7.1
SW	.3	.9	.9	.1								2.3	6.6
WSW	.3	.8	1.2									2.3	6.4
W	1.5	4.7	4.2	.3								10.6	6.3
WNW	.1	.9	.8									1.9	6.0
NW	.1	.8	.1	.1	.3							1.5	6.4
NNW	.4	7.0	4.6	1.2								13.2	6.7
VARBL													
CALM												12.4	
	7.5	38.6	29.2	10.9	1.3	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74450 STATION AUSTIN STRAUBEL WI 74-81 YEARS MAY MONTH 0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	1.7	1.7	.1							4.0	10.3
NNE	.5	3.6	6.0	5.1	.3							15.6	9.3
NE		.8	2.8	2.7								6.3	10.3
ENE		.5	1.2	.4								2.2	6.4
E	.3	2.7	2.4	.5								5.9	7.0
ESE		.3	.7									.9	8.0
SE		.7	.8	.1	.1							1.7	8.5
SSE	.4	3.0	2.6	1.2								7.1	7.4
S	.3	.9	1.5	.4	.1							3.2	7.8
SSW	.9	5.6	6.2	3.9	.7	.1						17.5	3.6
SW		.4	.7	.4								1.5	8.3
WSW		1.1	.7	.5								2.3	6.1
W	.4	4.2	3.8	1.9	.1							10.3	8.0
WNW	.1	.5	.5	.5	.1							1.9	8.8
NW	.1	.9	.5	.8	.1							2.5	8.8
NNW	.4	3.4	4.3	2.3	.4	.1						10.9	8.7
VARBL													
CALM												6.0	
	3.6	28.9	36.4	22.6	2.2	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

744-81 STATION NAME ALL WEATHER CLIM MAY 1980-1980  
STATION NAME ALL WEATHER CLIM MAY 1980-1980  
STATION NAME ALL WEATHER CLIM MAY 1980-1980  
STATION NAME ALL WEATHER CLIM MAY 1980-1980

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.9	.9		.3	.1					2.8	11.8
NNE		2.3	5.6	5.1	.7							13.7	16.3
NE	.1	.8	2.2	3.8	.4	.1						7.4	11.3
ENE		.3	1.7	.5	.1							2.7	9.4
E	.5	3.9	5.1	1.1	.3							10.9	7.3
ESE	.1	.4	.4	.1								1.1	7.1
SE	.1	.8	.8	.5								2.3	7.9
SSE	.5	2.2	3.0	1.5								7.0	8.0
S	.3	.3	1.5	1.3	.3							3.6	10.2
SSW	.1	3.4	5.6	7.3	1.6	.5						18.5	11.0
SW	.3	.1	.4	.7	.4							1.9	11.4
WSW		.3	.7	.7	.3							1.9	11.3
W	.1	2.3	4.4	4.3	.5							11.7	10.1
WNW		.1	.7	.9	.1							1.9	11.3
NW	.1	.5	1.1	1.2	.1							3.1	10.3
NNW	.1	1.5	2.7	3.6	.5	.1						8.6	10.6
VARBL													
CALM												.9	
	2.6	19.5	36.8	33.6	5.8	1.1	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 744

U.S. CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

776457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-61  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.3	1.5	.1	.1						2.0	13.2
NNE		1.5	4.7	4.8	1.7	.3						13.5	11.5
NE	.3	.4	3.0	3.9	.4	.1						8.1	11.0
ENE		.8	1.7	1.9	.1							4.6	10.2
E	.1	2.7	4.4	1.5	.3							9.0	8.2
ESE		.4	.5	.5								1.5	9.3
SE	.1	.5	1.7	.8	.1							3.4	6.8
SSE	.3	1.7	3.4	2.0								7.4	8.6
S		.7	2.2	1.1	.7							4.6	10.9
SSW	.3	3.1	4.3	4.7	3.2	.8						18.4	11.9
SW	.1	.1	1.5	.7	.3	.1						2.8	10.7
WSW			1.3	1.1	.4							2.8	11.9
W	.4	1.3	3.9	5.2	1.9							12.8	11.5
WNW		.1	.3	.9	.4							1.7	13.2
NW		.7	.8	1.1	.1							2.7	10.2
NNW	.4	.9	2.3	2.3	.5							6.5	10.3
VARBL													
CALM												.9	
	2.2	15.1	36.3	34.0	10.3	1.5						100.0	16.7

TOTAL NUMBER OF OBSERVATIONS

744

U.S. AIR FORCE  
 CLIMATOLOGY BRANCH  
 AFMPC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74430 AUSTIN STPAUBEL WI STATION NAME 74-81 YEARS MAY MONTH  
 CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4		.9	.4							1.7	13.3
NNE		1.3	4.4	5.8	1.3	.1						13.6	11.6
NE	.1	.7	2.7	3.6	.8	.1						6.3	11.2
ENE	.1	.5	2.7	.9	.1							4.4	9.7
E	.4	3.6	5.4	2.2								11.5	8.5
ESE		.4	1.3	1.1								2.8	9.5
SE	.1	.9	2.2	1.2								4.4	8.7
SSE	.5	2.4	4.7	5.0	.5							13.2	9.5
S		.3	1.3	.8	.5							3.5	11.2
SSW	.3	2.3	4.7	5.4	2.2	.1						14.9	11.2
SW		.3	.5	1.1								1.4	10.9
WSW			.7	.7	.4							1.7	12.3
W	.5	1.6	3.4	4.3	.7	.3						10.8	16.4
WNW			.4	1.1	.7	.1						2.3	14.2
NW			.3	.8	.3							1.3	13.6
NNW	.1	.4	1.6	1.6	.1							3.9	16.6
VARBL													
CALM												.7	
	2.3	15.5	36.3	36.4	8.1	.8						100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74-41 STATION AUSTIN STRAUBEL WI 74-81 YEARS MAY MONTH  
1899-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.4	1.5	.1							2.3	11.9
NNE	.1	2.7	5.4	3.9	.7							12.8	9.8
NE		1.9	2.3	2.8	.5							7.1	10.6
ENE		.5	.8	.3								1.5	3.4
E	.3	3.8	7.0	2.2								13.2	7.9
ESE	.1	1.7	2.0	.7								4.6	7.4
SE	.1	2.3	2.8	.7								5.9	7.3
SSE	.4	5.0	9.8	2.7	.1							18.0	8.0
S	.3	.9	1.6	.3								3.1	7.1
SSW	.3	2.0	4.8	2.6	.8							10.5	9.2
SW		.4	.3	.3	.3							1.2	11.0
WSW		1.1	.4	.1								1.6	6.3
W	.5	3.0	3.6	1.6	.1							8.9	7.8
WNW			.4	.3								.7	9.4
NW		.7	.4	.7								1.7	9.0
NNW	.3	1.7	1.5	1.2	.5							5.2	9.0
VARBL													
CALM												1.6	
	2.4	27.6	43.5	21.6	3.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 744



U.S. AIR FORCE  
CLIMATE DIVISION  
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 74-45 AUSTIN STRAUBEL WT STATION NAME 74-81 YEARS MAY  
ALL WEATHER CLASS 2100-2300  
 CONDITION NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	1.1	.7	.1							2.2	10.3
NNE	.3	4.0	6.0	3.2	.5							14.7	6.8
NE		.7	.4	1.6	.4							3.1	11.3
ENE	.1	1.3	1.1	.8								3.4	7.8
E	1.1	6.9	3.9	1.3	.1							13.3	6.7
ESE	.1	.7	.5									1.3	5.6
SE	.5	.9	1.1									2.6	6.3
SSE	1.2	6.5	4.2	.4								12.2	6.1
S		2.2	1.7	.7								4.6	7.3
SSW	1.1	4.0	3.5	2.2	.3	.1						11.2	7.9
SW	.1	.8	.7	.4								2.0	7.4
WSW	.1	.7	.7	.4								1.9	8.1
W	.9	5.2	2.7	1.2	.1							10.2	6.6
WNW	.1	.4	.7	.1								1.3	6.9
NW		.7	.9	.1								1.7	7.5
NNW	.4	3.0	1.6	1.1								6.0	7.0
VARBL													
CALM												8.3	
	6.7	38.2	30.8	14.2	1.6	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE  
 CLIMATE DIVISION  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10451 STATION NAME AUSTIN STRAUBEL WI YEARS 74-81 MONTH MAY  
 CLASS ALL WEATHER MONTHS (L.O.Y.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.0	1.1	.1	.1	.0					2.9	10.4
NNE	.3	2.7	5.5	4.3	.8	.1						13.9	9.8
NE	.2	.8	2.2	2.7	.3	.1						6.2	10.6
ENE	.0	.8	1.3	.6	.1							2.8	8.6
E	.5	3.9	4.0	1.2	.1							9.6	7.3
ESE	.1	.6	.8	.4								1.7	8.0
SE	.1	.8	1.3	.5	.1							2.8	8.0
SSE	.6	3.2	3.8	1.7	.1							9.4	7.7
S	.3	1.2	1.4	.6	.2							3.8	8.2
SSW	.8	4.2	4.6	3.9	1.2	.2						14.8	9.4
SW	.1	.5	.7	.5	.1	.0						1.9	9.4
WSW	.1	.7	.8	.5	.1							2.2	8.9
W	.6	3.6	3.8	2.5	.4	.0						10.9	6.5
WNW	.1	.4	.5	.5	.2	.0						1.7	9.9
NW	.1	.7	.6	.6	.1							2.1	9.2
NNW	.4	2.9	2.7	1.8	.3	.0						8.2	8.3
VARBL													
CALM												5.2	
	4.2	27.7	34.9	23.4	4.2	.5	.0					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 5952

USAF CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100401 AUSTIN STRAUBEL WI 74-81 JUN  
STATION NAME YEARS MONTH  
CLASS ALL WEATHER 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.6	.4								5.0	7.4
NNE	.4	2.4	2.4	2.2								7.4	8.4
NE		.4	1.0	.6								1.9	8.6
ENE		.5	.4	.1								1.1	7.0
E	.4	3.5	2.1	.7								6.7	6.5
ESE			.1									.1	7.0
SE	.1		.8									1.0	7.7
SSE	1.4	2.6	2.4	1.1	.1							7.6	7.2
S	1.0	2.1	1.7	.7	.1							5.6	6.9
SSW	1.5	9.3	4.7	2.4	.7							19.0	7.1
SW	.4	1.8	1.4	.3								3.9	6.3
WSW	.3	.5	1.4	.3								2.3	7.2
W	.6	5.6	7.6	1.4								15.1	7.2
WNW		.7	.4									1.1	5.6
NW	.3	1.4		.6								2.2	6.3
NNW	.6	5.4	1.5	.6								8.1	5.9
VARBL													
CALM												11.4	
	7.5	38.3	30.6	11.2	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	.7	1.0								2.8	8.4
NNE	.3	1.4	2.8	1.1								5.6	8.3
NE		.7	1.0	.3								1.9	7.8
ENE		.3	.3	.3								.8	6.5
E	1.3	3.2	3.5									7.6	6.1
ESE		.3	.3									.6	6.5
SE	.1	1.2	.6									1.9	5.6
SSE	.4	1.8	1.7	.7								4.6	7.2
S	.7	2.9	1.5	.6								5.7	6.3
SSW	1.2	7.4	3.7	2.8	.3							15.4	7.3
SW	.7	2.9	1.7	1.0								6.1	7.1
WSW	.4	1.2	1.1	.3								3.1	6.7
W	.4	5.3	7.2	1.4	.1							14.4	7.4
WNW		1.7	.8	.3								2.1	6.9
NW	.6	1.4	.4	.4								2.8	6.1
NNW	1.0	4.9	3.5	1.0								13.3	6.5
VARBL													
CALM												14.3	
	6.2	36.8	30.7	11.0	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 720

JOINT CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

72-457 STATION AUSTIN STRAUBEL WI 74-81 YEARS JUN  
 ALL WEATHER CLASS 0600-0600  
 MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	1.2	1.0								2.9	9.6
NNE	.1	2.2	3.9	2.8	.1							9.2	9.1
NE		.6	.6	.6								1.7	6.8
ENE	.3	.4	.6	.4								1.7	7.8
E	.6	4.0	3.1	.6								8.2	6.6
ESE	.1	.3	.3	.4								1.1	7.9
SE		1.2	1.9	.1								3.3	6.9
SSE	.6	2.2	3.3	1.5								7.6	8.0
S	.1	1.7	2.8	1.0	.1							5.7	8.2
SSW	.7	4.9	6.2	3.9	.4							16.1	6.4
SW	.1	1.0	1.8	2.9	.1							5.4	10.1
WSW	.1	1.1	1.2	.6								3.1	7.8
W	.3	4.2	7.4	2.8	.4							15.0	8.4
WNW		.6	1.7	.4								2.6	8.9
NW	.4	.8	.7	1.4	.1							3.5	9.2
NNW	.3	3.5	2.9	2.1								8.7	7.9
VARBL													
CALM												4.2	
	3.9	29.2	39.6	21.8	1.4							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL-WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.6	.7	.4							2.2	10.6
NNE	.3	2.4	3.3	2.4	1.0							9.3	9.8
NE	.3	.1	1.7	.7								2.8	9.1
ENE	.1	.6	.6	.4								1.7	7.8
E	.6	4.0	2.6	1.4	.1							8.8	7.4
ESE		.4	1.0	.1								1.5	7.7
SE	.3	.8	1.7	.7								3.5	7.9
SSE	.3	1.0	3.1	3.6	.3							8.2	10.1
S	.1	1.0	1.8	2.2	.1	.1						5.4	10.1
SSW	.1	3.1	4.6	6.8	2.2	.3						17.1	11.3
SW	.1	1.0	1.4	2.6	.3							5.4	10.8
WSW		1.0	.4	1.8	.1							3.3	10.5
W	.1	4.2	7.8	7.6	1.0							20.7	10.0
WNW		.1	.8	1.3								2.2	11.4
NW			.8	.4	.1							1.4	11.0
NNW	.3	.7	2.1	2.4	.1							5.6	10.1
VARBL													
CALM												.8	
	2.8	20.7	34.2	35.2	5.8	.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

719

U.S. AIR FORCE  
METAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1457 STATION NAME AUSTIN STRAUBEL WT YEARS 74-81 MONTH JULY  
CLASS ALL WEATHER HOURS 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.6	.3	.3							1.4	11.3
NNE	.1	1.7	3.2	3.2	.4							9.6	10.1
NE		1.0	1.4	1.9	.3							4.6	10.6
ENE		.4	1.8	.1								2.4	7.6
E	.1	1.7	4.6	1.2	.3							7.9	8.5
ESE		.3	1.1	.4								1.8	8.7
SE		.7	1.4	1.1	.1	.1						3.5	10.1
SSE		1.2	3.3	3.7	1.0	.1						9.4	11.0
S		1.0	1.0	1.8	.6							4.3	11.0
SSW		1.4	4.2	6.9	1.8	.8						15.1	12.7
SW		1.0	1.4	2.9	1.1							6.4	11.9
WSW		.4	1.1	2.1	.7							4.3	11.7
W	.4	2.2	4.7	9.4	2.2	.1						19.2	11.4
WNW		.1	.4	1.1	.3							1.9	12.6
NW		.3	.6	1.5								2.4	11.5
NNW		.7	1.8	2.4	1.0							5.8	12.1
VARBL													
CALM												1.0	
	.7	14.3	32.5	47.3	10.0	1.2						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
401 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72045 STATION AUSTIN STRAUBEL WI 74-81 YEARS JUN MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1			.6	.3							1.0	13.3
NNE		2.2	2.6	2.2	.6							7.6	9.5
NE		.6	2.9	1.1	.3							4.9	10.1
ENE		.4	1.2	.4								2.1	8.5
E		2.2	4.4	1.5								8.2	8.4
ESE		.3	1.4	.1								1.8	8.2
SE	.1	.6	2.5	1.1	.1							4.4	9.0
SSE		1.2	6.0	4.7	.7	.1						12.8	10.5
S		.8	1.0	1.9	.4							4.2	11.2
SSW	.4	1.7	3.7	7.6	1.9	.6						16.0	12.1
SW		.3	1.4	.7		.3						2.6	10.9
WSW		.1	.7	1.7	.3							2.8	11.4
W		2.9	6.2	8.1	2.2							19.4	11.2
WNW		.3	.6	1.5	.3							2.6	12.2
NW		.4	.6	1.0	.6							2.5	12.0
NNW		.4	1.3	2.5	1.1							5.8	12.5
VARBL													
CALM												1.2	
	.7	14.4	37.1	36.8	8.7	1.0						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 720



CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.3	.7	.3							1.9	10.4
NNE		1.9	2.5	3.1	.4							7.9	9.9
NE		.7	1.9	.7								3.3	8.5
ENE		.4	.4	.1								1.0	7.3
E	.7	2.5	4.9	1.1								9.2	7.6
ESE		1.1	1.2	.1								2.5	7.3
SE	.1	1.8	2.2	.7								4.9	7.5
SSE		6.8	10.7	3.7	.1							21.4	8.2
S	.1	1.5	2.2	.7								4.6	7.9
SSW		3.6	4.9	3.2	.7	.1						12.5	9.2
SW		1.0	.3	.7		.1						2.1	9.5
WSW	.1	.8	.6	.4								1.9	7.0
W	.1	6.1	5.8	4.2	.3	.1						16.7	8.7
WNW		.3	.7	.3								1.2	8.6
NW	.4	.4	.6	1.2	.1							2.8	9.6
NNW		1.4	1.2	1.5	.4							4.6	9.5
VARBL													
CALM												1.5	
	1.8	31.0	40.8	22.5	2.4	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

74451 STATION 74-81 YEARS JUN NORTH  
AUSTIN STRAUBEL WI STATION NAME 2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.3	.3								1.1	7.4
NNE	.1	2.2	3.7	2.8	.1							9.0	6.9
NE	.1	.7	.7	.6		.1						2.2	9.0
ENE	.1		.7	.3								1.1	8.6
E	.7	4.4	3.6	.3								9.0	6.4
ESE	.3	.4										.7	4.2
SE	.1	1.5	.8									2.5	5.9
SSE	1.4	6.4	4.2	1.9	.3							14.2	7.0
S	.4	2.9	2.8	.3								6.4	6.4
SSW	1.4	5.4	4.7	2.6	.1							14.3	7.5
SW	.1	1.7	.7	.4								2.9	6.9
WSW	.1	1.5	1.2	.3								3.2	7.0
W	.6	6.9	6.1	1.7		.1						15.3	7.4
WNW		1.0	.3	.1								1.4	6.0
NW	.3	.8	.4	.3								1.9	6.7
NNW	.4	4.0	1.5	1.0								6.9	6.7
VARBL													
CALM												7.9	
	5.4	40.3	31.8	12.8	.6	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 720

U.S. AIR FORCE  
CLIMATE BRANCH  
AF WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14450 STATION NAME AUSTIN STRAUBEL WT YEARS 74-81 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.1	.6	.8	.6	.2							2.3	9.1
NNE	.2	2.0	3.1	2.5	.3							8.1	9.3
NE	.1	.5	1.4	.8	.1	.0						2.9	9.3
NNE	.1	.4	.7	.3								1.5	7.9
E	.5	3.2	3.6	.9	.1							9.2	7.2
ESE	.1	.4	.7	.2								1.3	7.6
SE	.1	1.0	1.5	.5	.0	.0						3.1	7.8
SSE	.5	2.9	4.3	2.6	.3	.0						14.7	8.7
S	.3	1.7	1.8	1.1	.2	.0						5.2	8.3
SSW	.7	4.6	4.6	4.5	1.0	.2						15.7	9.4
SW	.2	1.3	1.3	1.4	.2	.1						4.4	9.3
WSW	.1	.9	1.0	.9	.1							3.1	2.9
W	.3	4.7	6.6	4.6	.8	.1						17.0	9.2
WNW		.5	.7	.6	.1							1.9	9.5
NW	.2	.7	.5	.9	.1							2.4	9.7
NNW	.3	2.6	2.0	1.7	.3							7.0	8.5
VARBL													
CALM												5.3	
	3.8	28.1	38.6	23.9	3.8	.8						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 5759

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

776457 STATION 74-81 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0000-0000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.9	.3								1.7	7.6
NNE	.8	2.0	2.2	2.0								7.0	8.2
NE	.1	1.1	1.1	.3								2.6	7.2
ENE	.3	.3	.3	.3								1.1	6.6
E	.5	2.4	1.1	.7								4.7	6.6
ESE	.3	.3										.5	4.0
SE	.1	.5	.1									.8	5.2
SSE	1.5	3.4	1.5									6.3	5.3
S	.9	3.1	2.7	.1								6.9	6.2
SSW	1.7	9.0	5.5	2.0	.5	.3						19.1	7.0
SW	.7	1.7	1.6									4.0	5.7
WSW	.5	1.5	.5		.1							2.7	5.6
W	1.6	7.0	4.7	.1								13.4	5.7
WNW	.3	.3	.1	.3								.9	7.3
NW	.7	1.5	.8									3.0	5.0
NNW	1.1	5.4	2.4	.3								9.1	5.0
VARB													
CALM												16.1	
	11.3	39.8	25.5	6.3	.7	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 451 AUSTIN STRAUBEL WI STATION NAME 74-81 YEARS MONTH JUL

ALL WEATHER

CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.6	.5								3.8	6.7
NNE	.4	1.6	2.8	.5								5.4	7.3
NE	.5	.9	.5									6.0	5.3
ENE	.1	.3	.1	.3								.8	7.8
E	.5	1.9	1.5	.5								.4	6.6
ESE		.1										.1	4.0
SE	.1	.3	.1									.5	4.8
SSE	.1	2.6	1.6	.5	.1							5.0	7.2
S	.7	2.6	1.7	.4								5.4	6.5
SSW	1.7	6.5	4.7	1.6								14.5	6.5
SW	.9	2.8	1.9	.1								5.3	5.0
WSW	.4	1.1	1.1	.3	.3							3.1	7.7
W	.9	6.0	5.5	.5	.1							13.2	6.5
WNW		.3	.8	.3								2.0	6.9
NW	.8	1.9	.3									3.0	4.4
NNW	1.1	6.2	3.4	.4								11.0	6.1
VARBL													
CALM												20.0	
	8.9	36.8	27.7	6.0	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 744

AD-A113 705

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AUSTIN STRAUDEL APT, GREEN BAY, WISCONSIN. REVISED UNIFORM SUMM--ETC (11)  
MAR 82

UNCLASSIFIED

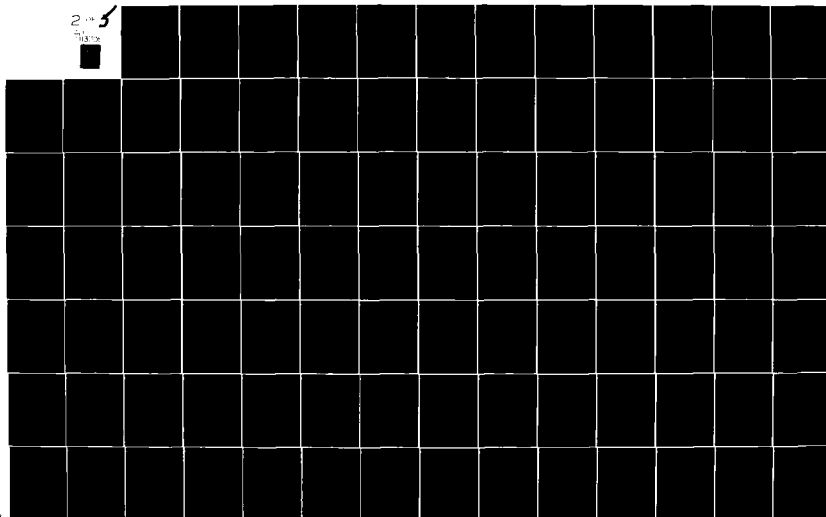
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703



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700450 STATION 74-81 JUL  
STATION NAME YEARS MONTH  
ALL WEATHER 0600-0800  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	2.4	.3								5.1	7.0
NNE	.4	3.5	5.6	2.2								11.7	7.9
NE		1.2	1.3	.5								3.1	7.9
ENE		.5										.5	6.5
E	.5	1.6	2.0	.9								5.1	7.5
ESE	.3											.3	3.0
SE	.5	.7	.3									1.5	4.8
SSE	.5	1.5	2.4	.5		.1						5.1	7.5
S	.1	1.7	.9	.9								3.8	7.6
SSW	1.5	5.9	8.1	3.8	.3							19.5	8.0
SW	.5	2.4	2.3	.7	.1							6.0	7.0
WSW	.1	1.7	1.3	.5								3.8	7.6
W	1.3	6.6	5.4	2.0	.1	.1						15.6	7.2
WNW		.9	.7	.3								1.9	8.0
NW	.1	.7	1.1	.4								2.3	7.9
NNW	.9	3.2	2.3	1.6	.1							8.1	7.3
VARBL													
CALM												6.7	
	7.3	34.3	36.2	14.7	.7	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATOLOGY BRANCH  
METAC  
ALL-WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7245 STATION AUSTIN STRAUBEL WI 74-81 YEARS JUL MONTHS  
ALL WEATHER CLASS 3900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.7	.9	.1							3.6	8.9
NNE	.5	2.6	5.9	3.2								12.2	6.6
NE		1.1	1.1	1.3								3.5	9.7
ENE		.1	.7	.1	.1							1.1	9.1
E	.3	1.3	3.4	1.2								6.2	6.5
ESE	.1	.1	.4	.1								.8	7.7
SE		.7	.3	.1								1.1	6.5
SSE	.5	.7	1.7	1.5	.3							4.7	9.2
S	.1	.3	.4	.9	.1							1.9	10.3
SSW	.3	3.0	6.6	9.7	.4	.3						20.2	10.5
SW	.1	.8	2.2	2.6	.1							5.6	9.9
WSW		.4	1.9	1.3	.3							3.9	10.3
W	.7	4.7	7.0	6.2		.1						18.7	8.9
WNW		.3	.8	.4								1.5	9.3
NW		.8	.9	.8		.1						2.7	9.3
NNW	.5	2.0	3.5	2.6								6.6	8.7
VARBL													
CALM												3.4	
	3.5	19.5	38.5	33.1	1.5	.5						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 743



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700457 STATION 74-81 JUL 1200-1400  
STATION NAME CLASS MONTH  
ALL WEATHER  
CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	1.2	1.1								2.4	10.4
NNE		1.1	4.0	2.8	.3							8.2	9.8
NE		1.7	1.6	.7								4.0	7.6
ENE		.7	1.3	.9								3.0	6.8
E	.3	3.2	3.2	2.0								8.7	7.9
ESE	.1	.1	.5									.8	7.2
SE		.3	.1									.4	5.3
SSE	.5	2.0	2.4	1.5	.4							6.9	6.6
S	.1	.5	1.3	1.2	.4	.1						3.8	11.0
SSW		2.4	5.0	10.8	1.7	.1						20.0	11.7
SW	.1	.8	1.6	1.5	.1	.1						5.3	10.4
WSW	.3	.3	1.3	1.6								3.5	10.2
W	.3	3.1	6.2	7.8	.4							17.7	10.4
WNW	.1	.3	1.5	.7	.3	.4						3.2	11.5
NW	.1	.5	.9	.7	.3							2.6	9.8
NNW	.3	1.9	3.9	2.3	.3							8.6	9.1
VARBL													
CALM												1.9	
	2.3	19.1	36.3	35.5	4.2	.8						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725450 STATION 725450 AUSTIN STRAUBEL HI STATION NAME 74-81 YEARS JUL SOUTH 1500-1700 MOON (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.9	.5								1.7	9.2
NNE	.1	1.5	6.2	3.4	.3	.1						11.6	9.8
NE		.1	1.7	1.3								3.2	9.9
ENE	.1	.3	1.3	.8								2.6	9.0
E	.3	1.6	3.9	1.5								7.3	8.3
ESE		.1	.7	.5								1.3	9.7
SE		.5	.4	.1								1.1	6.9
SSE	.1	1.9	3.9	3.0								8.9	8.9
S	.1	.7	1.1	1.9	.1							3.9	10.1
SSW	.1	2.8	7.3	8.9	2.6	.4						22.0	11.5
SW	.1	.8	1.3	1.9	.3	.1						4.6	10.6
WSW		.3	1.5	.7	.4							2.6	10.0
W	.3	3.1	8.5	4.8	.8	.1						17.6	9.8
WNW		.1	.7	.7	.1							1.6	11.0
NW		.4	1.5	1.3	.3							3.5	10.8
NNW	.1	1.2	1.9	1.3	.1							4.7	9.3
VARBL													
CALM												1.6	
	1.6	15.6	42.7	32.7	5.0	.8						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

726450 STATION AUSTIN STRAUBEL WI STATION NAME 74-81 YEARS JUL MONTH 1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.1	.1							.8	9.8
NNE	.3	2.6	4.8	1.6								9.3	8.2
NE	.1	.3	2.2	.5								3.1	8.6
ENE		1.1	.9	.3								2.3	7.1
E	.1	3.2	4.3	.5								8.2	7.3
ESE		1.3	.3	.1								1.7	6.2
SE	.1	1.2	1.5	.1								3.0	6.7
SSE	.7	6.6	10.2	1.2								18.7	7.1
S	.4	1.5	2.4	.8	.1							5.2	7.7
SSW	.7	3.8	8.5	4.3	.1							17.3	8.6
SW		.7	1.1	.8	.1							2.7	9.4
WSW	.3	2.3	.7	.5								3.8	6.4
W	.7	5.4	3.2	1.5	.1							10.9	6.9
WNW	.3	.5	.5	.3								1.6	6.9
NW		.3	1.1	.3								1.6	8.7
NNW	.5	2.2	2.4	1.3	.3							6.7	8.3
VARBL													
CALM												3.1	
	4.2	32.9	44.5	14.4	.9							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

728450 STATION 74-81 JUL 2100-2300  
STATION NAME YEARS MONTHS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.7	.3								2.2	6.4
NNE	.3	1.6	2.8	1.2	.4							6.3	8.9
NE	.1	.3	.8	.5								1.7	8.8
ENE		.9	.7									1.6	6.3
E	1.5	3.9	1.9	.8								8.1	6.1
ESE	.1	.9	.3	.1								1.3	6.1
SE	.1	.8		.1								1.1	5.8
SSE	1.3	5.5	2.3	.1	.1							9.4	5.7
S	1.5	4.3	4.6	.3	.3							10.9	6.4
SSW	1.6	8.1	6.9	1.3	.1	.1						18.1	6.7
SW	.1	1.7	.7									2.6	5.5
WSW	.1	1.3	.9	.3								2.7	6.4
W	1.5	7.4	2.6	.3								11.7	5.5
WNW		.9	.7	.1	.3							2.0	8.4
NW	.1	.9	.1									1.2	5.1
NNW	.7	5.2	1.9									7.8	5.5
VARB													
CALM												11.3	
	9.5	44.6	27.7	5.5	1.2	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 744

4137

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

728450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOWES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.2	.5	.0							2.7	8.0
NNE	.4	2.1	4.3	2.1	.1	.0						9.0	8.6
NE	.1	.8	1.3	.7								2.9	6.1
ENE	.1	.5	.7	.3	.0							1.6	7.9
E	.5	2.4	2.7	1.0								6.6	7.4
ESE	.1	.4	.3	.1								.9	6.8
SE	.1	.6	.4	.1								1.2	6.0
SSE	.7	3.0	3.3	1.0	.1	.0						6.1	7.3
S	.5	1.8	1.9	.8	.1	.0						5.2	7.6
SSW	1.0	5.2	6.6	5.3	.7	.2						18.9	9.0
SW	.3	1.5	1.6	.9	.1	.0						4.5	8.1
WSW	.2	1.1	1.2	.7	.1							3.3	8.1
W	.9	5.4	5.4	2.9	.2	.1						14.9	7.9
WNW	.1	.5	.7	.4	.1	.1						1.8	9.0
NW	.2	.9	.8	.4	.1	.0						2.5	7.8
NNW	.6	3.4	2.7	1.2	.1							8.1	7.3
VARBL													
CALM												8.0	
	6.1	30.3	34.9	18.5	1.8	.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

5951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-452 STATION AUGUSTIN STRAUBEL WT 74-81 YEARS AUG 1900-1900

ALL WEATHER

CLAS

1900-1900  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	.9	.7								2.3	7.9
NNE	.4	2.3	2.6	1.1								6.9	7.2
NE	.1	1.1	.7	.3								2.2	6.8
ENE	.4	.7	.4	.1								1.6	5.7
E	.7	3.2	1.1									5.0	5.1
ESE		.1										.1	6.0
SE	.4	.1	.5									1.1	5.9
SSE	1.9	3.1	1.6	.5	.1							7.3	5.9
S	.5	3.2	2.0	.4								6.2	6.2
SSW	1.6	11.6	3.4	2.2	.5	.1						19.4	6.8
SW	.7	3.0	.5	.1								4.3	5.2
WSW	.1	2.0	.8									3.6	5.5
W	1.1	6.2	3.6	.7								11.6	6.1
WNW	.1	.3	.1	.1								.7	7.2
NW	.4	2.6	.5	.1								3.6	5.2
NNW	.8	5.9	2.6	.4								9.7	5.9
VARBL													
CALM												14.8	
	9.3	47.0	21.4	6.7	.7	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 744

4138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72453  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.6	.1								3.1	7.3
NNE	.7	1.6	2.8	.5								5.6	6.9
NE	.7	1.1	.7									2.4	5.2
ENE	.1	.4	.3	.1								.9	6.7
E	.8	1.2	1.2	.3								3.5	6.2
ESE	.1	.1	.4									.7	6.0
SE	.1	.7	.3									1.1	5.1
SSE	.8	2.7	1.1									4.6	5.6
S	.4	2.3	.5	.4								3.6	5.8
SSW	3.1	12.8	3.0	2.4	.4							21.6	6.3
SW	.7	2.7	1.3	.8								5.5	6.7
WSW	.7	.9	.9									2.6	5.4
W	1.6	7.4	3.2									12.2	5.6
WNW		1.1	.5									1.6	5.8
NW	.9	3.0										3.9	4.6
NNW	.8	7.5	3.5									11.8	5.5
VARBL													
CALM												15.2	
	11.6	46.8	21.4	4.7	.4							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

744

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

728452 STATION AUSTIN STRAUBEL WI 74-81 YEARS AUG MONTH  
ALL WEATHER CLASS 600-0600 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.7	.1								2.6	7.2
NNE	.8	3.5	4.4									8.7	6.4
NE	.3	1.2	.7	.4								2.6	6.7
ENE		.7	.4	.1								1.2	7.0
E	.7	2.3	2.0	.3								5.2	6.5
ESE			.1									.1	9.0
SE		.7	.3	.4								1.3	7.8
SSE	.5	2.8	1.7	.4								5.5	6.0
S	.3	2.0	1.6	.7	.1							4.7	7.3
SSW	1.2	6.5	6.9	4.2	.4							19.1	8.0
SW	.3	1.7	2.3	1.3	.1							5.8	8.4
WSW		.9	1.6	.5								3.1	6.0
W	1.5	5.1	5.1	1.1	.1							12.9	6.7
WNW	.3	.5	.8	.1								1.7	6.6
NW	.3	1.7	1.6									3.6	5.9
NNW	1.1	5.1	3.5	.7								10.3	6.4
VARBL													
CALM												11.4	
	7.1	35.5	34.8	10.3	.8							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

170457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	1.2	.3								2.3	7.4
NNE	.8	4.0	4.2	3.0	.3							12.2	8.1
NE		.9	1.2	.7								2.8	8.4
ENE	.1	.8	1.1	.4								2.4	7.6
E	.8	2.4	1.9	1.2								6.3	7.1
ESE		.1	.7	.1								.9	7.6
SE	.3	.4	.1	.1								.9	5.9
SSE	.5	3.0	3.1	2.0								6.6	7.8
S		1.5	1.3	1.2	.3							4.3	9.1
SSW	.3	3.2	5.8	6.3	2.0	.1						19.8	11.1
SW	.1	.9	2.3	1.6	.4							5.4	10.7
WSW	.1	.9	1.5	1.3	.1							4.0	9.4
W	.5	2.6	8.5	3.9	.3							15.5	9.0
WNW		.3	.9	.9								2.2	9.9
NW		.3	.6	.6								1.9	10.6
NNW	.7	2.7	3.0	1.3								7.7	7.7
VARBL													
CALM												2.3	
	4.0	24.9	37.5	27.3	3.4	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

744

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFMTCAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 74450 STATION NAME AUSTIN STRAUDEL WI YEARS 74-81 MONTHS AUG  
CLASS ALL WEATHER  
CONDITION

1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	.1									.7	5.4
NNE	.3	3.3	3.5	3.8	.5							11.6	9.1
NE		.8	1.2	1.1								3.1	9.2
ENE		1.2	1.6	.4								3.2	7.5
E	.5	2.4	2.2	1.3								6.5	7.6
ESE		.4	.5	.3								1.2	7.8
SE		.5	.5	.4	.1							1.6	9.3
SSE	.3	1.9	3.9	2.7	.1							8.9	8.9
S	.1	.8	1.6	1.9	.4							4.8	10.5
SSW	.3	2.3	4.0	11.7	3.4	.4						22.0	12.3
SW		.4	1.3	1.6	.1							3.5	10.3
WSW	.1	.3	.8	2.4	.3							3.9	10.9
W	.4	2.8	6.5	5.8	.4							15.9	10.0
WNW		.4	1.1	1.3								2.8	10.5
NW	.1	.3	1.2	.8	.3							2.7	10.0
NNW	.3	2.0	1.9	1.2	.1							5.5	8.2
VARBL													
CALM												2.2	
	2.4	20.6	32.0	36.7	5.8	.4						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 744

JUNIOR CLIMATOLOGY BRANCH  
USAFETAC  
AD WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72643 STATION AUSTIN STRAUBEL WI 74-81 YEARS AUG MONTH  
STATION NAME CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KMTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.3									.5	7.3
NNE	.1	2.3	5.4	3.9								11.7	9.1
NE		.6	1.5	.7								3.0	6.5
ENE	.1	.3	1.1	.5								2.0	8.6
E	.1	3.1	3.4	.9								7.5	7.5
ESE	.1	.3	.9	.1								1.5	7.4
SE	.3	1.3	1.2	.3								3.1	6.5
SSE	.1	3.2	4.2	4.4								12.0	9.1
S	.1	.4	1.9	.5	.3							3.2	9.5
SSW	.1	2.6	7.3	8.2	2.2	.7						21.0	11.3
SW		.5	2.3	1.5		.1						4.4	9.6
WSW	.1	.7	1.5	1.2								3.5	9.0
W	.5	3.1	6.5	4.7	.7							15.5	9.3
WNW			.5	.9	.3							1.7	12.6
NW		.1	.4	1.5	.1							2.2	11.3
NNW		1.5	2.2	1.7	.1							3.5	9.5
VARBL													
CALM												1.7	
	2.0	20.3	40.3	31.2	3.6	.8						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE CLIMATOLOGY BRANCH  
AFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 72450 STATION NAME AUSTIN STRAUBEL WT YEARS 74-81  
CLASS ALL WEATHER  
CONDITION  
AUG 1800-2400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.4	.1	.3								.8	9.7
NNE	.1	1.9	4.2	1.8								8.3	6.3
NE		.9	.5	.4								1.9	7.5
ENE	.1	.5	.4									1.1	5.9
E	.3	5.1	3.9	.3								9.6	6.7
ESE	.1	.8	.8	.1								1.9	6.6
SE	.4	2.7	1.8									4.9	6.0
SSE	.7	9.7	10.4	1.6								22.4	6.9
S	.4	1.9	1.8	.5	.1							4.7	7.3
SSW	.5	5.5	7.0	2.3	.5	.1						16.1	8.2
SW		1.9	1.1	.1								3.1	6.3
WSW		1.5	.5	.1								2.2	6.4
W	.3	6.9	2.8	1.1								11.1	6.7
WNW		.4	.4	.1								.9	7.3
NW	.4	1.3	.9		.1							2.8	6.6
NNW	.3	1.9	2.6	.4								5.1	7.1
VARBL													
CALM												3.5	
	3.6	43.5	39.3	9.2	.8	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

ALL WEATHER

CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	.5	.5								2.2	7.8
NNE		1.8	2.6	1.8								6.1	8.8
NE	.3	.8	1.5	.5								3.1	8.0
ENE		1.2	.3	.1								1.6	6.2
E	.7	4.3	1.9	.1								7.0	5.7
ESE	.1	.4	.1									.7	5.4
SE	.1	.9	.5									1.6	5.8
SSE	1.5	7.4	2.0	.7								11.6	5.8
S	.7	5.1	2.6	.9								9.3	6.6
SSW	1.5	8.8	5.3	2.0	.5							18.1	7.0
SW	.1	1.5	.7	.1								2.4	5.9
WSW		2.7	.9	.3								3.9	6.1
W	.7	7.2	3.4									11.2	5.7
WNW		.7	.4		.1							1.2	7.1
NW	.3	1.3	.7	.1								2.4	5.7
NNW	.4	4.5	1.8	.1								6.7	5.8
VARBL													
CALM												10.8	
	6.5	49.5	25.1	7.4	.7							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

741

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 70450 ALSTIN STRAUBEL WI STATION NAME 74-81 YEARS AUG MONTHS ALL DAYS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	.8	.8	.3								1.9	7.4
NNE	.4	2.7	3.7	2.0	.1							8.8	8.1
NE	.2	1.0	1.0	.5								6.6	7.7
ENE	.1	.7	.7	.2								1.8	7.1
E	.6	3.0	2.2	.6								6.3	6.6
ESE	.1	.3	.5	.1								.9	6.9
SE	.2	.9	.7	.2	.0							2.0	6.6
SSE	.8	4.2	3.5	1.5	.0							10.1	7.2
S	.3	2.2	1.7	.8	.2							5.1	7.6
SSW	1.1	6.6	5.3	5.2	1.2	.2						19.6	9.0
SW	.2	1.6	1.5	.9	.1	.0						4.3	8.0
WSW	.2	1.2	1.1	.7	.1							3.3	7.8
W	.8	5.1	4.9	2.2	.2							13.2	7.6
WNW	.1	.5	.6	.5	.1							1.6	8.9
NW	.3	1.3	.8	.4	.1							2.9	7.6
NNW	.5	3.9	2.6	.7	.0							7.8	6.7
VARBL													
CALM												7.8	
	5.8	36.0	31.5	16.7	2.0	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 5946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

726450 STATION 73-80 SEP 0000-0200  
AUSTIN STRAUBEL WI STATION NAME YEARS MONTHS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	1.5	.4	.1							4.2	7.4
NNE	.4	.8	2.8	1.0								5.0	8.1
NE		.7	1.3	.4								2.4	7.6
ENE		.1	.4	.1								.7	8.5
E	.6	1.0	2.1	1.5	.1							5.3	8.7
ESE		.4		.1								.6	6.5
SE	.3	.3	.4	.1	.1							1.3	7.7
SSE	.4	1.9	1.1	.1								3.6	6.0
S	1.0	2.4	2.4	.3								6.0	6.1
SSW	1.9	7.8	4.2	2.5	.8							17.2	7.3
SW	.6	.7	2.1	.1	.1							3.6	7.4
WSW	.1	1.3	.6		.1							2.1	6.5
W	1.3	6.5	5.7	.4								13.9	6.3
WNW	.3	1.5	1.1									2.9	5.9
NW	.1	2.8	1.7	.1								4.7	6.0
NNW	.7	7.4	5.3	1.8								15.2	7.1
VARBL													
CALM												11.4	
	7.9	37.4	32.5	9.2	1.5							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 719

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73400 AUSTIN STRAUBEL STATION NAME 73-80 YEARS SEP  
ALL WEATHER CLASS 0300-0500  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	1.8	.8								4.6	7.5
NNE	.3	1.9	2.8	1.7	.1							6.8	8.5
NE	.6	1.2	.1	.1								2.1	5.2
ENE		1.7	.3	.7	.1							2.1	3.9
E		1.9	1.4	.7	.1							4.2	7.8
ESE		.3	.4	.1								.8	7.6
SE	.1	.4	.4	.3								1.2	7.9
SSE	.3	.7	1.1	.3								2.4	6.9
S	.6	2.4	1.2									4.2	5.7
SSW	2.6	7.4	4.2	2.1	.8	.1						17.2	7.2
SW	.3	1.2	2.2	.6								4.3	7.2
WSW	.1	2.1	.8	.3		.1						3.5	6.8
W	1.4	7.8	4.6	.6	.1							14.4	6.2
WNW	.3	.8	1.7	.1								2.9	7.2
NW	.3	2.4	1.1	.3								4.0	6.1
NNW	.6	5.6	5.7	1.4	.1							13.3	7.4
VARBL													
CALM												11.9	
	7.8	38.6	29.9	10.0	1.5	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

728450  
STATION

AUSTIN STRAUBEL HI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER

CLASS

0600-0800

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.8	2.6	.6								5.1	7.6
NNE	.4	2.8	4.4	1.9								9.6	8.2
NE	.3	.3	.4	.3	.3							1.5	8.8
ENE		.3	.3	.1								.7	8.6
E	.7	2.2	1.1	.3	.3							4.6	7.0
ESE	.1	.8	.3	.1								1.4	6.4
SE	.3	.8	.3									1.4	5.6
SSE	.3	1.8	1.8	.7								4.6	7.6
S	.1	1.9	1.0	.3								3.3	6.6
SSW	2.4	7.4	4.4	4.4	.4							19.0	7.8
SW	.3	2.2	1.9	1.4	.1							6.0	7.7
WSW	.1	1.7	1.4	.1	.3							3.6	7.4
W	.7	5.1	7.4	1.8	.3							15.3	7.7
WNW		.7	1.2	.3								2.2	8.2
NW	.1	1.1	1.2	.7								3.2	7.7
NNW	.4	3.1	4.9	1.9								10.3	7.9
VARBL													
CALM												6.2	
	6.4	34.0	34.7	15.0	1.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

120

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

720450 STATION 720450 STATION NAME AUSTIN STRAUBEL HT YEARS 73-80 SEP MONTHS 900-1100  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.8	1.1								2.4	10.2
NNE	.1	1.4	5.1	4.7	.4							11.8	9.8
NE		.7	1.8	.7	.4							3.6	10.0
ENE		.4	.7	.3								1.4	8.5
E	.3	1.5	2.2	.7	.4							5.1	8.4
ESE		.3	.1	.6								1.0	10.4
SE		1.2	1.0	.4								2.6	7.4
SSE	.3	1.4	3.1	1.8								6.5	8.6
S	.1	.3	.6	1.1								2.1	9.9
SSW	.1	3.3	6.1	9.6	1.2	.4						20.8	11.0
SW	.1	.7	1.5	2.4	.1							4.9	11.1
WSW		.3	1.4	1.0	.4	.1						3.2	11.6
W	.4	3.3	6.2	5.8	.4	.1						16.4	9.6
WNW		.6	1.2	1.2	.1							3.2	10.0
NW		.6	.6	2.4	.3	.1						3.9	12.1
NNW		1.1	2.9	5.1	.3							9.4	10.8
VARBL													
CALM												1.7	
	1.5	17.5	35.8	36.9	8.2	.8						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 720

4144

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

706450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	1.2	.7								2.2	9.2
NNE	.4	1.7	5.4	3.1	.3							10.8	9.3
NE		.7	.7	1.2	.3							2.9	10.5
ENE		.3	1.1	.4								1.8	9.1
E	.3	1.2	2.2	.6	.4							4.7	8.7
ESE	.1	.3	.4	.4								1.2	8.8
SE	.1	.3	.8	.3								1.5	8.4
SSE		.8	3.3	2.4								6.5	10.0
S	.1	.7	1.2	.8	.1							3.1	9.5
SSW	.3	1.4	4.2	10.8	3.2	.4	.1					20.4	12.9
SW			1.9	1.9	.7							4.6	12.1
WSW		.8	1.0	2.2	.6							4.6	11.1
W	.1	3.6	6.5	6.0	1.1	.3						17.6	10.3
WNW			2.4	2.2								4.6	11.1
NW	.1	.6	1.4	2.2								4.3	10.7
NNW	.1	1.4	1.9	4.3	.3							8.1	10.4
VARBL													
CALM												1.0	
	1.8	14.0	35.8	39.6	6.9	.7	.1					102.0	10.6

TOTAL NUMBER OF OBSERVATIONS

720

CLIMATOLOGY BRANCH  
AFETAC  
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 72450 STATION NAME: AUSTIN STRAUPE, WI YEARS: 73-80 SECT: SEE  
CLASS: ALL WEATHER MONTHS: 1500-1700  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.7	.4								1.9	7.9
NNE		2.9	3.7	4.0	.4							11.1	9.4
NE		1.0	1.5	1.0								3.5	8.8
NNE		.1	1.4	.2	.1							1.8	9.3
E	.1	1.5	2.4	1.1	.3							5.4	9.1
ESE		.1	.7	.6	.3							1.7	11.3
SE		.4	.4	.6								1.4	9.1
SSE	.3	.6	3.9	3.1	.1							7.9	9.9
S	.1	.7	.6	1.4	.1							2.9	9.8
SSW		1.9	5.4	10.3	2.9	.3						23.8	12.2
SW	.1	.3	1.4	1.0	.6							3.3	11.3
WSW		.4	1.1	1.2	.3							3.1	11.1
W	.3	3.9	6.7	6.1	1.0							17.9	10.0
WNW		.3	1.2	1.5								3.1	10.3
NW		.7	.8	1.9								3.5	10.4
NNW	.4	1.2	3.9	3.5								8.7	9.7
VARBL													
CALM												1.9	
	1.5	16.5	35.8	37.8	6.1	.3						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 720

4175

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.5	.7								3.3	8.4
NNE	.4	2.6	1.9	1.7	.1							6.8	8.0
NE	.1	1.0	.7	.1								1.9	6.4
ENE	.3	1.0		.3								1.5	6.2
E	.7	3.2	2.9	2.1								8.9	7.7
ESE	.1	.8	.6	.4								1.9	7.9
SE	.3	1.4	.1	.3								2.1	5.9
SSE	1.2	4.7	5.3	.6	.3							12.1	7.0
S	.1	2.6	1.2	1.4	.1							5.6	7.7
SSW	.3	5.4	6.0	3.5	.3							15.4	8.4
SW		2.4	1.0	.6								3.9	7.1
WSW		1.7	1.1	.3	.1							3.2	7.3
W	.8	9.6	4.7	1.0	.1							16.2	6.4
WNW		1.0	.4									1.4	6.2
NW	.1	1.1	.3	.1								1.7	5.9
NNW	.3	4.4	2.5	1.5								8.7	7.3
VARBL													
CALM												5.3	
	4.9	44.0	30.3	14.4	1.1							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

720

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

721450 STATION AUSTIN STRAUDEL WI STATION NAME 73-80 YEARS SEP  
CLASS ALL WEATHER MONTHS 2100-2300  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.4	.8	.1							3.9	8.0
NNE	.1	2.6	2.2	2.1								7.1	8.3
NE	.1	.3	.7									1.1	6.8
ENE	.1	.6	.4	.8								1.9	9.3
E	1.1	2.4	1.4	1.7	.3							6.8	7.8
ESE		.6			.1							.7	7.8
SE	.4	.3	.6	.7								1.9	8.6
SSE	1.4	3.3	1.1	.3								6.1	5.3
S		1.8	3.6	.8	.1							6.4	8.4
SSW	1.4	9.2	5.6	2.5	.4							19.0	7.0
SW	.6	1.0	.6	1.0								3.1	8.0
WSW		1.1	.8	.1								2.1	8.5
W	.7	7.1	5.3	1.0	.1							14.2	6.7
WNW	.1	.4	.7									1.2	6.2
NW	.3	1.9	.4	.4								3.1	6.2
NNW	.6	5.0	5.7	.6								11.8	6.7
VARBL													
CALM												9.6	
	7.4	38.6	30.4	12.8	1.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 720

1  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00400 STATION NAME AUSTIN STRAUBEL WI YEARS 73-80 MONTH SEP  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	1.1	1.5	.7	.3							3.5	8.1
NNE	.3	2.1	3.6	2.5	.2							3.6	8.9
NE	.1	.7	.9	.5	.1							2.4	8.4
ENE	.1	.5	.6	.4	.0							1.5	8.6
E	.5	1.9	2.0	1.1	.2							5.6	8.1
ESE	.1	.5	.3	.3	.1							1.2	8.6
SE	.2	.6	.5	.3	.0							1.7	7.5
SSE	.5	1.9	2.6	1.1	.1							6.2	7.8
S	.3	1.6	1.5	.8	.1							4.2	7.7
SSW	1.1	5.5	5.0	5.7	1.3	.2	.0					16.8	9.4
SW	.2	1.1	1.6	1.1	.2							4.2	9.0
WSW	.1	1.2	1.0	.7	.2	.0						3.2	8.3
W	.7	5.9	5.9	2.8	.4	.1						15.7	8.0
WNW	.1	.7	1.3	.7	.0							2.7	8.7
NW	.1	1.4	.9	1.0	.0	.0						3.5	8.3
NNW	.4	3.6	4.1	2.5	.1							12.7	8.2
VARBL													
CALM												6.4	
	4.9	30.1	33.1	22.2	3.0	.3	.0					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 5759

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-80 STATION NAME AUSTIN STRAUDEL YEARS 1960-1966 MONTH OCT  
CLASS ALL WEATHER HOURS (L.S.T.) 1000-2200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	2.4	1.2								5.1	8.4
NNE	.4	1.1	1.7	2.3	.1							5.6	9.3
NE		.9	.8	.4	.1							.3	8.5
ENE		.2	.1									.9	4.7
E	.3	1.3	1.1	.4								3.1	7.2
ESE	.1	.1	.1	.3	.1							.8	10.2
SE		.3	.5	.1	.1							1.6	7.6
SSE	.3	2.2	2.0	.4	.1							5.0	7.3
S	.3	2.8	3.4	1.6								8.1	8.2
SSW	1.1	7.5	3.6	3.1	.3							15.6	7.5
SW		.8	2.2	.1	.4							3.5	8.7
WSW	.3	.3	.9		.4							2.4	8.4
W	.7	6.7	7.1	2.6	.3							17.3	7.7
WNW		1.5	2.0	.5								4.0	7.8
NW	.1	1.3	1.3	.5								3.4	7.4
NNW	.7	4.7	6.0	1.2								12.6	7.2
VARBL													
CALM												3.6	
	4.8	34.7	35.5	14.8	2.0							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 744



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-43 STATION NAME AUSTIN STRAUBEL WI YEARS 73-80 CITY CCY  
 CLASS ALL WEATHER MONTHS 0300-0500  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.7	.3								2.1	7.4
NNE	.1	1.2	2.3	2.0								5.7	9.2
NE	.1	.5	1.2	.4	.3							2.5	8.3
ENE	.1	.5	.1									.8	5.3
E	.4	1.2	.7	.3	.1							2.7	7.3
ESE	.1		.3	.1								.5	7.5
SE	.3	.7	.1	.5								1.6	7.1
SSE	.4	1.5	2.0	.3								4.2	7.1
S	.3	2.0	2.0	2.2	.1							6.6	8.3
SSW	1.2	5.5	5.7	2.7	.4							15.7	7.7
SW	.1	1.6	1.1	.7	.1							3.6	7.9
WSW	.3	.7	.9	.5								2.4	7.7
W	.7	5.1	6.1	3.0	.1	.1						17.1	8.1
WNW		1.5	2.3	.5								4.3	7.8
NW	.1	2.3	2.4	.1								5.0	6.7
NNW	.3	6.9	7.4	1.3								16.4	7.1
VARBL													
CALM												7.7	
	5.1	32.8	38.1	14.9	1.2	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 400 AUSTIN STRAUBEL WI STATION NAME 73-80 YEARS 061 MONTHS 0600-0800  
CLAS ALL WEATHER  
CONDITON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.7	1.1								4.3	8.4
NNE	.1	1.2	2.3	1.6								5.2	8.7
NE	.3	.9	.5	.1	.4							2.3	8.5
ENE	.1	.6	.3	.3								1.5	6.5
E	.5	1.7	1.7	.3								4.3	6.5
ESE	.1	.8	.4	.1								1.5	6.0
SE	.1	.1	.7	.4	.1							1.5	9.0
SSE	.4	1.7	1.6	1.1								4.8	7.9
S	.1	1.3	2.0	.9								4.4	8.2
SSW	.8	6.5	4.4	5.5	1.2							18.4	9.1
SW	.3	1.3	2.3	.7								4.6	7.6
WSW	.4	.5	.8	.5								2.3	8.1
W	.4	4.4	7.1	3.0	.1							15.1	8.3
WNW		1.1	.9	.5	.1							2.7	8.5
NW		1.5	1.6	1.1								4.2	8.5
NNW	.1	4.8	9.3	2.3	.3							16.8	8.2
VARBL													
CALM												6.1	
	4.0	30.3	37.8	19.5	2.3							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

726400 STATION AUSTIN STRAUBEL WI

73-80

OCT

ALL WEATHER

0900-1100  
HOURS (L.S.T.)

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	2.7	2.6								5.6	10.1
NNE	.3	1.5	3.8	3.9	.9							10.3	10.4
NE		.3	1.2	.4	.1							2.9	9.7
ENE		.5	.8	.1	.1							1.6	8.4
E	.3	1.1	1.9	.9								4.2	8.2
ESE		.5	.4	.8								1.7	10.0
SE	.1	.3	.8	.8								2.0	6.8
SSE		.5	2.6	2.2	.1							5.4	10.3
S	.1	.1	1.2	1.6	.3							3.4	11.1
SSW		2.8	5.6	6.7	4.2	.3						19.6	12.0
SW		.5	.7	1.7	.9	.4						4.3	14.1
WSW		.5	1.2	1.2	.4							3.4	10.9
W	.1	2.0	4.6	7.3	1.1	.3						15.3	11.3
WNW		.5	1.2	.7	.1							2.5	9.9
NW		.3	1.3	.9	.5							3.1	11.4
NNW	.5	1.9	4.8	6.0	1.2							14.5	10.5
VARBL													
CALM												.9	
	1.5	13.8	34.8	37.9	10.1	.9						120.0	10.9

TOTAL NUMBER OF OBSERVATIONS

744

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

726450 STATION AUSTIN STRAUBEL WI 73-80 YEARS OCT  
MONTHS  
CLASS ALL WEATHER 1239-1400  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	1.3	1.1								2.8	9.6
NNE		1.2	4.2	4.2	.4							10.0	10.6
NE	.1	.3	1.2	.8	.5							3.0	11.2
ENE			.4	.3	.1							.8	11.3
E		1.6	2.8	2.0								6.5	9.1
ESE	.3	.1	.9	.3	.1							1.7	8.9
SE		.1	.4	1.1								1.6	11.8
SSE		.5	1.7	2.7	.7							5.7	11.8
S		.7	1.6	1.5	.4							4.2	10.6
SSW	.3	1.5	2.7	7.8	3.6	.9						16.8	13.4
SW	.1	.3	1.6	1.5	1.2	.3						5.0	13.4
WSW		.3	1.5	1.9	.4							4.0	11.8
W		1.7	5.8	8.3	2.4	.1						18.4	11.9
WNW		.3	1.1	.9	.1							2.4	10.6
NW	.1	.9	1.2	1.7	.4	.3						4.7	11.0
NNW	.3	2.4	4.4	3.5	1.3							12.0	10.2
VARBL													
CALM												.4	
	1.2	12.4	33.0	39.6	11.8	1.6						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	1.5	.3	.3							2.9	8.3
NNE	.3	2.8	4.6	3.4								11.0	9.1
NE	.1	.4	.9	1.2								2.7	9.4
ENE		.8	.8	.1	.1							1.9	7.7
E	.1	2.2	2.0	1.7								6.0	8.3
ESE	.1	.7	1.1	.1								2.0	7.4
SE		.9	.7	.5	.1							2.3	9.4
SSE	.1	2.2	1.3	4.0	.3							7.9	10.1
S	.1	.8	2.4	.7	.1							4.2	8.5
SSW	.1	2.6	5.8	7.3	1.7	.1						17.6	11.1
SW		.4	1.3	1.5	.9							4.2	12.4
WSW		.5	1.2	1.3	.3	.1						3.5	10.7
W	.1	3.1	6.2	4.7	1.9							16.0	10.2
WNW	.1	.4	1.3	1.9	.4							4.2	10.9
NW		.1	2.0	1.7	.7							4.6	11.6
NNW		1.3	3.1	3.2	.4							8.1	10.3
VARBL													
CALM												1.1	
	1.6	19.8	36.3	33.7	7.3	.3						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

744

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 026452 STATION NAME AUSTIN STRAUBEL HT YEARS 73-80 MONTHS OCT  
ALL WEATHER  
CLIM  
CONDITION  
1800-2000  
HOURS (L.O.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.5	.5	.1							2.8	9.0
NNE	.1	1.5	3.4	2.3								7.3	9.0
NE		.5	.8	.3								1.6	8.0
ENE	.3	.4	.7									1.3	5.8
E	1.1	3.0	3.1	.7								7.8	6.7
ESE	.1	.2	.4	.1								1.5	6.4
SE	.1	1.6	1.2	.3								3.2	6.4
SSE	.1	4.8	4.3	2.3	.5	.1						12.2	8.4
S		2.6	2.0	.4	.4							5.4	7.8
SSW	.7	4.7	7.8	2.2	.5							15.9	8.1
SW		1.6	1.5	.4	.4							3.9	6.8
WSW		1.9	.7	.4	.1							3.1	7.7
W	.4	5.4	5.8	1.9	.7							14.1	8.0
WNW		1.3	.9	1.1	.4							3.8	9.2
NW		.8	2.6	.4								3.8	8.1
NNW	.3	3.8	3.2	1.6	.1							9.0	7.8
VARBL													
CALM												3.4	
	3.2	35.3	39.8	14.8	3.4	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

725400  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.2	1.2								3.4	8.2
NNE	.5	2.2	3.8	3.9								10.3	9.0
NE	.1		.9	.5								1.6	9.2
ENE		.3	.8	.1								1.2	7.4
E	.1	2.3	2.3	.1								4.8	6.8
ESE	.1	.5	.1	.3								1.1	7.3
SE	.1	.8	.3	.7	.1							2.5	9.7
SSE	.5	2.0	2.7	1.3	.1							6.7	8.2
S	.3	3.4	4.0	.7	.1							8.5	7.5
SSW	1.1	7.5	5.2	2.2	.9							16.9	7.8
SW	.1	1.3	1.1	.5	.3							3.4	8.3
WSW	.3	.5	.3	.7	.8							2.8	11.1
W	.5	5.5	5.9	1.3	.8	.1						14.2	8.0
WNW		1.6	1.5	.7	.3							4.0	8.2
NW		.3	1.1	1.2								2.6	9.6
NNW	.1	2.7	5.0	1.5	.1							9.4	8.0
VARBL													
CALM												7.0	
	4.2	32.0	36.2	16.9	3.6	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

744

U.S. AIR FORCE  
 CLIMATE DIVISION  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-40 STATION AUSTIN STRAUBEL WT 73-80 YEARS OCT  
ALL WEATHER MONTH  
ALL  
 CLASS  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.8	1.0	.1							3.7	8.2
NNE	.2	1.6	3.2	2.9	.2							8.2	9.5
NE	.1	.5	1.0	.5	.2							2.3	9.3
ENE	.1	.5	.5	.1	.1							1.3	7.2
E	.4	1.8	1.9	.8	.0							4.9	7.6
ESE	.1	.5	.5	.3	.0							1.4	7.9
SE	.1	.7	.6	.6	.1							2.0	6.7
SSE	.2	1.9	2.3	1.8	.2	.0						6.5	8.9
S	.2	1.7	2.3	1.2	.2							5.6	6.6
SSW	.7	4.9	5.1	4.7	1.6	.2						17.1	9.7
SW	.1	1.0	1.5	.9	.5	.1						4.1	10.3
WSW	.2	.8	.9	.8	.3	.0						3.0	9.8
W	.4	4.3	6.3	4.0	.9	.1						16.0	9.2
WNW	.0	1.0	1.4	.9	.2							3.5	9.0
NW	.1	.9	1.7	1.0	.2	.0						3.9	9.3
NNW	.4	3.6	5.4	2.6	.4							12.4	8.6
VARBL													
CALM												4.4	
	3.2	26.8	36.4	24.0	5.2	.4						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 5949

4151



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

734450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.7	1.3	.1							3.8	9.3
NNE	.3	1.9	3.9	2.6	.4							9.2	9.4
NE		.3	.4	.6								1.3	10.0
ENE	.1		.3	.4								.8	9.2
E	.3	.8	.7	.4								2.2	7.4
ESE		.7	.1	.3	.1							1.3	8.4
SE	.4	.3	.6	.3								1.5	7.5
SSE	.3	.7	1.7	1.1								3.8	8.6
S	.1	1.1	.6	.4								2.2	7.4
SSW	1.1	4.7	7.9	4.2	.8							18.8	8.6
SW	.1	1.5	1.3	.7	.6	.1						4.3	9.5
WSW	.3	1.9	1.4	.4	.1							4.2	7.2
W	.6	5.6	9.5	4.6	1.0	.3						21.4	9.0
WNW	.1	1.1	2.4	1.4	.1	.1						5.3	9.6
NW	.1	1.3	1.8	.7	.1							4.0	8.3
NNW	1.0	2.9	4.2	2.6	.6							11.3	8.5
VARBL													
CALM												4.7	
	4.9	25.6	38.2	22.0	4.0	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

719

CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 77452 STATION NAME AUSTIN STRAUBEL WI YEARS 73-80 MONTHS 404  
CLASS ALL WEATHER HOURS (L.S.T.) 3300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	2.1	1.9								5.3	9.7
NNE	.3	.4	1.9	3.5	.1							6.2	10.8
NE	.1	.7	1.2	.8	.1							3.1	8.4
ENE	.1	.1	.6		.1							1.0	8.4
E	.4	1.2	.7	.7	.1							3.2	7.8
ESE	.1			.4	.1							.7	12.4
SE		.1	.1	.3	.1							.7	11.6
SSE	.4	1.5	.3	1.1								3.3	7.7
S	.6	1.0	1.1		.1							2.8	6.4
SSW	1.1	7.8	5.4	4.2	.7	.4						19.6	8.4
SW	.3	1.5	1.1	1.1	.1							4.2	7.9
WSW		1.4	1.0	.6	.1	.3						3.3	9.8
W	.3	5.4	8.9	5.4	.3							20.3	8.7
WNW		1.2	2.6	1.4	.3							5.6	9.5
NW	.1	.8	1.8	1.2	.1							4.2	9.6
NNW	.6	2.1	3.9	2.8	.6							9.9	9.1
VARBL													
CALM												6.8	
	4.4	26.7	32.8	25.8	3.2	.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

701450 STATION AUSTIN STRAUBEL, WI 73-80 YEARS NOV NORTH  
3600-0800 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.1	1.4	.3							3.3	11.0
NNE		1.7	3.7	3.2	.3							8.9	9.7
NE	.1	.4	.8	.3	.1							1.8	6.7
ENE	.3	.3	1.0	.1	.1							1.8	8.8
E	.6	1.5	1.1	1.0								4.2	7.5
ESE		.3		.3								.6	9.0
SE	.1	1.1		.6	.1							1.9	8.8
SSE	.4	1.4	.3	1.1	.1							3.3	8.4
S	.6	1.4	1.2									3.2	5.9
SSW	1.1	6.9	4.6	4.0	1.1							17.8	8.3
SW	.1	1.5	1.7	.4	.1							3.9	7.7
WSW		.3	1.2	.6	.4	.1						2.6	11.1
W	.8	5.3	8.1	5.0	.4	.3						19.9	9.0
WNW		1.9	1.1	2.4	.1							5.6	9.6
NW		1.1	1.7	1.7	.1							4.6	9.2
NNW	.3	2.4	3.3	3.1	1.1							10.1	10.0
VARBL													
CALM												6.5	
	4.4	28.1	31.0	25.0	4.6	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 720

LOCAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 720458 STATION NAME AUSTIN STRAUBEL HI YEARS 73-80 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.8	2.1	.4							3.7	12.4
NNE		1.2	4.4	3.9	.4							10.0	10.4
NE	.1		.3	.8	.3							1.5	11.7
ENE		.6	1.0	.4								1.9	8.6
E	.1	1.2	1.5	.6								3.5	7.6
ESE		.4	.4	.1								1.0	7.6
SE	.1	.3	.3	.1								.8	7.9
SSE	.4	2.1	2.1	2.1	.4							7.1	8.9
S	.1	.4	1.2	.3								2.1	7.8
SSW	.1	1.9	7.8	5.8	1.8	.1						17.6	10.7
SW		.3	1.8	2.5	.4	.1						5.7	11.3
WSW		.1	1.4	1.1	.4							3.1	12.0
W		2.6	6.4	9.9	1.1	.4						26.4	11.4
WNW	.1	.3	1.4	3.3	.7							5.8	12.0
NW		.7	1.8	1.4	.6							4.4	10.9
NNW		1.5	2.8	4.6	1.1							10.0	11.2
VARBL													
CALM												1.2	
	1.2	14.7	35.4	39.0	7.6	.7						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724430 STATION AUSTIN STRAUBEL WI 73-80 YEARS NCV NORTH  
1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.8	1.5	.7							3.3	12.3
NNE	.1	.7	4.9	3.7	.8							10.3	10.9
NE		.4	.7	1.7								2.8	11.1
ENE		.1	.3		.1							.6	9.0
E		1.4	.8	.3								2.5	7.3
ESE	.1		.4	.3								.8	9.2
SE		.4	1.4	.6								2.4	9.1
SSE		.4	1.5	1.4	.6							3.9	11.2
S		.4	1.1	1.2								2.8	10.0
SSW		1.0	7.2	9.0	1.9	.3						19.4	11.6
SW		.3	1.2	2.5	.4							5.0	11.2
WSW		.3	.8	2.6	1.1	.1						5.0	13.6
W		1.4	6.7	10.6	1.9	.4						21.0	11.9
WNW		.7	1.4	2.8	.8							5.7	12.0
NW	.1	.4	1.5	1.5	1.5							5.1	12.6
NNW		1.1	2.6	3.9	.8							8.5	11.1
VARBL													
CALM												1.0	
	.4	9.9	33.5	43.6	10.8	.8						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 727

U.S. AIR FORCE  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700450 STATION 700450 STATION NAME ALL WEATHER CLASS 73-80 YEARS 1500-1700 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	2.4	1.4								3.9	10.3
NNE		1.3	3.2	4.0	.3							5.8	10.4
NE		.6	.3	.7	.1							1.7	10.8
ENE		.3	.3	.3								.8	8.7
E	.4	1.8	1.3	.1								3.6	6.2
ESE		.1	.6	.6								1.3	10.5
SE		.6	.4	.3								1.3	8.7
SSE		1.0	2.1	1.5	.4							2.0	10.3
S		.5	1.3	.3	.1							2.2	9.3
SSW	.4	2.4	11.0	6.3	1.1							21.1	10.9
SW		.6	.8	1.9	.8	.1						3.8	12.7
WSW		1.0	1.0	.6	.1	.1						2.9	9.8
W	.6	3.5	7.4	7.9	1.5	.1						21.0	10.5
WNW		1.8	1.0	1.3	.7							4.7	9.8
NW		.6	1.8	2.1	.1							4.6	10.5
NNW	.1	2.5	5.1	3.8	.8							12.4	10.0
VARBL													
CALM												1.1	
	1.5	18.5	39.8	32.4	6.3	.4						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 719

CLIMATE CLIMATOLOGY BRANCH  
 USFETAC  
 ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 726450 AUSTIN STRAUBEL WI YEARS 73-80  
 CLASS ALL WEATHER  
 CONDITION  
 MOY 1800-2000  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.5	1.0								3.9	8.2
NNE	.1	2.1	2.6	2.9	.3							8.1	9.6
NE		.6	1.1	.4	.4							2.5	10.1
ENE		.6	.1	.4	.1							1.2	9.4
E	.7	2.5	1.1	.4								4.7	6.1
ESE	.3	.4	.6	.4	.1							1.8	8.6
SE		.4	.6	.3								1.2	7.6
SSE	.3	2.1	1.9	.4								4.7	7.7
S		1.0	1.5	.6								3.1	7.9
SSW	.1	4.7	8.2	3.1	.8	.1						17.1	8.6
SW	.1	.7	.8	1.7	.1	.1						3.6	11.5
WSW	.1	.7	1.2	.7	.3							3.1	9.9
W	.3	5.0	7.6	6.1	1.4							20.4	9.7
WNW		1.4	1.0	.8	.6							3.7	9.7
NW	.1	1.5	1.7	1.1	.1							4.6	8.6
NNW	.3	3.9	5.0	3.1	.3							12.5	8.6
VARBL													
CALM												3.7	
	2.6	28.7	36.7	23.3	4.6	.3						120.0	8.6

TOTAL NUMBER OF OBSERVATIONS 720

U.S. AIR FORCE  
 AIR FORCE CLIMATOLOGY BRANCH  
 AFMTC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ALSTIN STRAUBEL HI STATION NAME 73-80 YEARS NOV  
 DATE 2100-2200 HOURS (L.S.T.)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		1.2	2.1	1.4								4.7	8.9
NNE		2.4	4.2	2.6	.3							9.4	9.3
NE		.4	.3	.6								1.2	10.2
ENE	.3	.7										1.0	4.6
E	.7	1.4	1.4	.6								4.0	7.2
ESE	.1	.6	.1	.4								1.2	7.7
SE	.3	.1	.7	.1								1.2	7.1
SSE	.3	.8	1.2	.7	.1							3.2	8.8
S		1.6	1.0	.7								3.5	7.5
SSW	.3	5.6	7.9	2.5	.7							17.2	8.2
SW		1.0	1.8	.8	.7	.1						4.4	10.2
WSW	.3	1.2	1.8	.3		.1	.1					3.9	8.3
W	.4	6.5	8.2	7.1	.7							22.9	9.1
WNW	.1	1.5	1.5	1.0	.8							4.6	8.9
NW	.1	1.0	1.8	.4								3.3	8.0
NNW		3.9	5.1	1.8	.4							11.2	8.4
VARBL													
CALM												2.9	
	2.9	30.4	39.2	21.0	3.3	.3	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 720



1  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14480  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.7	1.6	1.5	.2							4.2	10.2
NNE	.1	1.5	3.6	7.3	.4							8.9	10.2
NE	.1	.4	.6	.7	.1							2.0	10.0
ENE	.1	.3	.4	.2	.1							1.1	8.4
E	.4	1.5	1.1	.5	.0							3.5	7.1
ESE	.1	.3	.3	.3	.1							1.1	8.9
SE	.1	.4	.5	.3	.0							1.4	8.4
SSE	.3	1.3	1.4	1.2	.2							4.3	8.9
S	.2	1.0	1.1	.4	.0							2.7	7.7
SSW	.5	4.4	7.5	4.9	1.1	.1						10.6	9.4
SW	.1	1.1	1.3	1.4	.4	.1						4.4	10.3
WSW	.1	.9	1.2	.9	.3	.1	.0					3.5	10.2
W	.4	4.4	7.8	7.1	1.0	.2						20.9	9.9
WNW	.1	1.3	1.5	1.8	.5	.0						5.1	10.2
NW	.1	.9	1.7	1.3	.3							4.4	9.8
NNW	.3	2.5	4.0	3.2	.7							10.7	9.6
VARBL													
CALM												3.5	
	2.8	22.5	35.8	29.0	5.6	.5	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

5758

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 45 STATION NAME AUSTIN STRAUBEL HT YEARS 73-80 MONTH DEC  
CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.2	1.9	.4							4.7	10.3
NNE	.4	2.3	2.4	3.1	.7							3.9	9.7
NE		.5	.3	.4	.1							1.3	9.0
ENE	.1	.4	.3		.1							.9	7.9
E	.5	2.4	.3	1.5								4.7	7.8
ESE			.4	.4		.1						.9	12.4
SE	.1	.1	.3	.1	.1							.8	9.5
SSE		1.6	1.1	.3								3.0	6.5
S	.1	.4	.9	.7								2.2	9.6
SSW	.6	3.4	5.4	6.3	1.5	.3						17.6	10.1
SW		1.1	1.7	1.1								3.9	9.1
WSW	.3	1.7	1.1	.3	.1							3.5	6.8
W	.9	5.5	9.0	5.1	.9							21.5	8.9
WNW	.3	1.6	2.2	1.6	.1							5.6	8.5
NW		.8	1.3	1.5	.4							4.0	10.6
NNW	.3	2.6	4.8	3.4	.5							11.6	9.1
VARBL													
CALM												4.7	
	M.O.	25.5	32.7	27.6	5.1	.8						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

706400  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

ALL WEATHERP  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.4	2.0	.4							6.5	9.5
NNE		1.6	3.1	3.0	.3							7.9	9.9
NE	.1	.4	.5		.1							1.2	8.0
ENE	.1	.3	.3									.7	6.0
E	.7	1.5	1.2	1.3	.4							5.1	8.5
ESE		.4	.1	.1								.7	7.2
SE		.3	.4	.1								.8	8.7
SSE	1.2	1.7	.3	.5								3.8	5.4
S	.3	.7	1.1									2.0	6.1
SSW	.8	4.6	5.6	6.3	1.3	.4						19.1	10.2
SW	.5	1.2	.9	1.2	.1							4.0	8.5
WSW	.1	.5	1.1	.4	.1							2.3	8.7
W	.3	6.9	7.1	5.4	1.3							21.0	9.0
WNW	.3	.5	1.9	1.9	.1							4.7	9.4
NW		.4	1.7	1.6	.1							3.9	10.3
NNW	.5	3.1	3.6	2.7	1.1							11.0	9.2
VARBL													
CALM												5.4	
	5.5	25.1	31.5	26.6	5.5	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

744

FEDERAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70400 STATION ALSTIN STRAUBEL WI 73-80 YEARS DFC  
STATION NAME  
ALL WEATHER CLASS 0600-0800  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	2.2	2.4	.8							6.5	10.6
NNE	.5	2.4	2.8	2.6	.5							8.9	9.1
NE	.3	.1	.7	.1								1.2	7.0
ENE	.1	.4		.1								.7	6.2
E	.1	1.2	1.6	1.6	.1							4.7	9.4
ESE	.1	.1										.3	4.0
SE		.3	.5	.1								.9	7.9
SSE	.3	3.1	1.1	1.1								5.5	7.1
S		.7	.3	.5	.3							1.7	9.6
SSW	.1	5.6	4.0	6.5	1.7	.3						18.3	10.4
SW	.3	.9	1.3	1.6								4.2	8.7
WSW	.3	1.2	.9	1.3								3.8	8.6
W	.9	6.6	8.1	4.0	1.9							21.5	9.0
WNW	.1	.5	1.7	1.1								3.5	9.2
NW	.4	.5	.9	1.5	.3							3.6	9.6
NNW	.3	2.6	3.8	2.4	.8	.1						9.9	9.4
VARBL													
CALM												4.8	
	4.2	27.2	30.0	27.0	6.5	.8						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ALL WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73450 STATION NAME AUSTIN STRAUBEL WI YEARS 73-80 DEC 0000  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.3	2.8	.5	.1						5.4	11.3
NNE		1.1	3.0	4.8	.1							9.0	10.9
NE	.1	.5	.5	.4	.3							2.2	8.6
ENE	.1	.5	.4									1.1	5.5
E	.5	2.0	1.5	1.3	.4							5.8	8.4
ESE	.1		.4									.5	6.8
SE		.1	.7	.3								1.1	8.9
SSE		.9	1.1	.9								3.0	8.6
S		1.5	1.7	.7	.1							4.0	8.4
SSW	.7	3.1	5.2	5.0	2.4	.5						16.9	10.9
SW	.1	1.5	1.3	1.7	.5							5.2	10.3
WSW		.8	2.0	1.3	.1							4.3	9.9
W	.1	3.1	7.7	9.1	2.0							22.0	10.9
WNW		.9	.8	1.5	.3							3.5	10.1
NW		.4	1.2	.8	.1							2.6	9.9
NNW	.5	1.9	4.4	3.4	1.2	.1						11.6	10.2
VARBL													
CALM												1.9	
	2.4	19.2	33.3	34.1	8.2	.8						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72450 STATION 72450 AUSTIN STRAUBEL WT STATION NAME 73-80 YEARS DEC MONTH 1200-1400 HOURS (L.E.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	.9	1.5	.7							4.0	11.1
NNE	.4	1.7	4.6	3.5	.9							11.2	10.0
NE	.1	.3	.9	.7	.1	.3						2.4	11.7
ENE		.4	.4	.3								1.1	8.1
E		.8	1.1	1.6	.1							3.6	9.9
ESE	.3	.5	.7									1.5	6.2
SE	.1	.4	.5	.1								1.2	7.4
SSE	.1	1.7	1.6	.5	.3							4.3	8.1
S	.1	.4	.8	1.1	.3							2.7	10.5
SSW	.3	2.7	4.8	5.8	2.2	.1						15.9	11.4
SW		.3	1.3	1.7	.3	.4						4.0	12.5
WSW		.5	1.9	1.9	.1							4.4	10.9
W	.1	3.0	10.5	12.2	.8							26.6	10.6
WNW	.1	1.2	1.1	1.3	.3							4.0	9.4
NW			.5	.7								1.2	12.1
NNW		.8	3.8	4.2	1.7							10.5	11.9
VARBL													
CALM												1.3	
	1.7	15.7	35.5	37.1	7.8	.8						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 744

4158

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72-45 STATION AUSTIN STRAUBEL WI 73-80 YEARS DEC MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	1.5	1.7	.1							4.8	9.3
NNE	.1	1.3	4.6	2.6	.5							9.1	9.5
NE		1.1	.9	.5	.1	.1	.1					3.0	10.1
ENE		.5	.4	.3								1.2	7.9
E	.1	1.6	1.6	2.2								5.5	8.9
ESE	.1	.1	.4	.1								.8	7.5
SE		.3	.3	.4	.1							1.1	10.3
SSE		2.2	2.2	.8								5.1	8.0
S		.5	1.6	.5								2.7	8.4
SSW		5.2	7.9	4.7	1.7							19.6	9.5
SW		.3	2.0	.8	.1							3.2	9.5
WSW		.9	2.0	.7	.1							3.8	6.8
W	.1	2.4	9.7	8.7	.8							21.8	10.2
WNW		.7	.7	1.9	.1							3.4	11.2
NW		.9	1.1	1.6	.3							3.9	10.1
NNW	.1	3.4	3.0	2.6	.9	.1						10.1	9.5
VARBL													
CALM												.9	
	.7	23.0	39.8	30.1	5.1	.3	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION 12-481 AUSTIN STRAUDEL STATION NAME 73-80 YEARS DEC  
ALL WEATHER CLASS 1800-2000  
 CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.9	1.1	.1							4.4	8.7
NNE	.3	2.6	3.0	2.3	.8							6.9	9.5
NE	.4	1.1	.4	1.1	.1							3.1	8.7
ENE	.1	.1										.3	4.0
E	.5	1.1	1.3	1.3								4.3	8.2
ESE		.5	.5									1.1	7.3
SE	.1	.1	.3	.3	.3							1.1	11.3
SSE	.1	2.7	3.2	.4								6.5	7.0
S		.9	1.3	.8								3.0	9.0
SSW	.7	4.6	5.2	3.2	1.3							15.1	9.1
SW	.3	1.1	2.3	.9	.1							4.7	8.1
WSW		1.5	2.0	.7	.1							4.3	8.0
W	.9	5.1	8.6	6.9	1.1							22.6	9.3
WNW	.1	.5	.9	1.7	.1							3.5	10.3
NW	.1	1.1	1.5	1.1	.4							4.2	9.6
NNW	.3	2.3	4.0	3.5	.1							10.8	9.2
VARBL													
CALM												2.4	
	4.3	26.7	36.6	25.3	8.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10645 AUSTIN STRAUBEL WI 73-80 YEARS DEC  
STATION NAME 2100-2300  
CLASS NOVOS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.3	1.9	.3							5.5	10.2
NNE	.3	1.7	1.3	3.0	.5	.1						7.0	10.5
NE	.1	.9	.5	.4	.1							2.2	8.1
ENE			.1	.1								.3	10.0
E	.4	2.2	.9	1.3								4.8	7.8
ESE		.4	.5	.4								1.3	9.2
SE	.1	.5		.3								.9	7.0
SSE	.1	1.5	2.0	.5	.3							4.4	7.9
S	.1	.9	.7	1.5	.1							3.4	9.8
SSW	.8	4.7	5.0	5.6	.8							16.9	9.5
SW		1.6	1.5	.9								4.0	8.3
WSW		.8	.9	.7								2.4	8.6
W	.7	4.3	8.9	6.0	.9							20.8	9.3
WNW	.3	1.6	1.7	1.9	.3							5.8	9.2
NW	.1	1.3	1.3	1.6	.3							4.7	9.6
NNW	.5	3.0	4.3	3.2	.5							11.6	9.0
VARBL													
CALM												3.9	
	3.6	26.6	32.1	29.4	4.2	.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73450 AUSTIN STRAUBEL WI 73-80 MONTH DEC  
STATION NAME CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	1.7	1.9	.4	.0						5.2	10.2
NNE	.2	1.3	3.1	3.1	.6	.0						5.9	9.9
NE	.2	.7	.6	.5	.1	.1	.0					2.1	9.1
ENE	.1	.3	.2	.1	.0							.8	7.0
E	.4	1.6	1.2	1.5	.1							4.8	8.6
ESE	.1	.3	.4	.1		.0						.9	7.9
SE	.1	.3	.4	.2	.1							1.0	8.9
SSE	.2	1.9	1.6	.6	.1							4.4	7.3
S	.1	.7	1.1	.7	.1							2.7	9.0
SSW	.5	4.2	5.4	5.4	1.6	.2						17.4	10.1
SW	.2	1.0	1.6	1.3	.2	.1						4.2	9.4
WSW	.1	1.0	1.5	.9	.1							2.6	8.9
W	.5	4.6	8.7	7.2	1.2							22.2	9.7
WNW	.2	1.0	1.4	1.6	.2							4.3	9.5
NW	.1	.7	1.2	1.3	.2							3.5	10.0
NNW	.3	2.5	4.0	3.2	.9	.1						10.9	9.7
VARBL													
CALM												3.2	
	3.3	23.6	33.9	29.7	5.9	.4	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 5952

JOEAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-451 STATION AUSTIN STRAUBEL WI 73-81 YEARS ALL MONTHS ALL HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.2	.9	.2	.0	.0	.0				3.2	9.4
NNE	.3	2.1	4.1	3.5	.6	.1	.0					10.7	9.9
NE	.1	.7	1.2	.9	.2	.0	.0					3.0	9.6
ENE	.1	.5	.6	.3	.1	.0						1.6	8.4
E	.4	2.2	2.2	1.2	.1	.0						6.2	8.0
ESE	.1	.3	.4	.3	.0	.0						1.1	8.3
SE	.1	.6	.7	.4	.0	.0						1.8	8.0
SSE	.4	2.2	2.5	1.4	.1	.0						6.7	8.1
S	.2	1.3	1.4	.8	.1	.0						3.8	8.2
SSW	.7	4.6	5.5	5.0	1.2	.2	.0	.0				17.3	9.6
SW	.1	1.0	1.3	1.0	.2	.0	.0	.0	.0			3.7	9.4
WSW	.1	.9	1.1	.7	.2	.0	.0	.0				3.0	9.2
W	.5	4.4	6.7	4.9	.7	.1	.0	.0				17.3	9.2
WNW	.1	.7	1.0	.9	.2	.0	.0					2.8	9.5
NW	.1	.9	1.1	1.0	.2	.0	.0					3.3	9.5
NNW	.4	2.9	3.6	2.6	.5	.0	.0					10.0	9.0
VARBL													
CALM												4.6	
	3.9	25.8	34.6	25.9	4.6	.6	.0	.0	.0			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 70063

CENTRAL CLIMATOLOGY BRANCH  
WLTAC  
400 STATION SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73400 AUSTIN STRAUBEL WI STATION NAME 73-81 YEARS ALL  
INSTRUMENT CLAS MONTH ALL  
CLASS CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE. MOVES (L.S.T.)  
CONDITION AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE.

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.9	1.9	1.8	.4	.0		.0				2.2	10.6
NNE	.3	2.8	6.9	7.9	1.9	.3	.0					20.2	11.1
NE	.1	1.0	1.6	1.7	.4	.1	.0					4.9	10.4
ENE	.1	.6	.9	.8	.3	.1						2.7	10.1
E	.4	3.0	3.8	3.4	.5	.1						11.2	9.2
ESE	.1	.5	.8	.8	.1							2.3	9.3
SE	.1	.7	1.1	.8	.1							2.9	9.1
SSE	.4	2.5	3.9	2.3	.3							9.4	8.7
S	.1	1.1	1.2	.8	.0							3.2	8.3
SSW	.5	3.2	4.1	3.5	.6	.1	.0	.0				11.9	9.5
SW	.1	.7	1.0	.6	.3	.0						2.7	9.5
WSW	.1	.5	.6	.5	.1	.0						1.8	9.6
W	.3	2.2	2.6	1.8	.4	.1	.0					7.5	9.0
WNW	.1	.5	.4	.4	.0	.0	.0					1.4	8.8
NW	.1	.5	.6	.6	.1							1.9	9.1
NNW	.2	1.6	2.9	2.0	.7	.1	.0					7.6	10.1
VARBL													
CALM												3.6	
	2.1	22.1	34.8	29.6	6.2	.9	.1	.0				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 8656

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{5}{16}$	$\geq 0$
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

2  
FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724450  
STATION

ARLINGTON STRAUBEL WI  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING	41.1	44.7	47.0	47.4	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000	42.1	46.3	48.9	49.3	49.5	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	43.1	46.5	49.1	49.5	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 16000	43.1	46.5	49.0	49.5	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 14000	43.3	47.0	49.7	50.1	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	45.1	48.9	51.9	52.3	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	45.4	49.6	52.7	53.3	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 9000	47.8	52.2	55.4	56.0	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	47.5	52.0	56.4	56.9	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	48.8	53.4	56.9	57.5	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 6000	49.9	54.5	58.7	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000	50.7	55.4	59.1	60.3	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4500	51.4	56.1	59.8	61.0	61.1	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	52.4	57.6	61.5	62.8	62.9	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 3500	54.5	60.3	64.3	65.5	65.6	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3000	57.2	63.2	67.7	69.3	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	59.4	66.0	71.2	73.4	73.6	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2000	61.7	69.2	74.5	76.9	77.7	78.3	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1800	62.1	70.0	75.7	78.5	79.3	79.9	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	62.8	71.5	77.6	80.8	81.9	82.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	63.0	72.6	78.8	82.2	83.3	84.4	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1000	63.1	73.4	80.2	84.0	85.3	86.4	87.6	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	63.1	73.6	81.1	85.3	86.8	87.9	89.3	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 800	63.1	73.8	81.7	86.0	87.5	88.7	90.1	90.2	90.2	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	63.0	74.0	82.3	87.4	88.9	90.1	91.6	91.8	91.8	92.5	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	63.0	74.3	82.7	88.2	89.7	91.0	92.5	92.8	92.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
≥ 500	63.1	74.6	83.3	89.5	91.3	92.7	94.4	94.7	94.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	63.1	74.6	83.3	89.5	91.4	92.9	95.1	95.4	95.7	97.0	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	63.0	74.6	83.3	89.5	91.4	92.9	95.4	95.9	96.2	97.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	63.0	74.6	83.3	89.7	91.6	93.1	95.7	96.2	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	63.1	74.6	83.3	89.8	91.7	93.2	95.8	96.3	96.7	98.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	63.1	74.6	83.3	89.8	91.7	93.2	95.8	96.3	96.7	98.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 736

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2  
JUNIOR CLIMATOLOGY BRANCH  
AFSTETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

A. STIL STRAUBEL #1

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	41.6 43.1	43.9 45.7	44.1 47.3	45.7 47.8	45.8 48.0	45.8 48.1	45.8 48.0	45.8 48.0	45.8 48.0	46.0 48.1	46.0 48.1	46.0 48.1	46.1 48.2	46.1 48.2	46.2 48.4	46.4 48.5
≥ 18000 ≥ 16000	43.1 43.1	45.7 45.7	47.3 47.3	47.8 47.8	48.0 48.0	48.1 48.0	48.0 48.0	48.0 48.0	48.0 48.0	48.1 48.1	48.1 48.1	48.1 48.1	48.2 48.2	48.2 48.2	48.4 48.4	48.5 48.5
≥ 14000 ≥ 12000	43.5 44.3	46.5 47.4	48.1 49.1	48.7 49.6	48.8 49.7	48.8 49.7	48.8 49.7	48.8 49.7	48.8 49.7	48.9 49.9	48.9 49.9	48.9 49.9	49.1 50.0	49.1 50.0	49.2 50.1	49.3 50.3
≥ 10000 ≥ 9000	45.1 46.4	48.4 49.6	50.1 51.6	50.7 52.2	50.8 52.3	50.8 52.3	50.8 52.3	50.8 52.3	50.8 52.3	50.9 52.4	50.9 52.4	50.9 52.4	51.1 52.6	51.1 52.6	51.2 52.7	51.3 52.8
≥ 8000 ≥ 7000	46.3 47.3	50.7 51.1	52.7 53.2	53.4 54.3	53.5 54.6	53.5 54.6	53.5 54.6	53.5 54.6	53.5 54.6	53.6 54.7	53.6 54.7	53.6 54.7	53.8 54.9	53.8 54.9	53.9 55.0	54.0 55.1
≥ 6000 ≥ 5000	44.1 43.8	51.9 52.8	54.2 55.5	55.3 56.9	55.7 57.3	55.7 57.3	55.7 57.3	55.7 57.3	55.7 57.3	55.8 57.4	55.8 57.4	55.8 57.4	55.9 57.5	55.9 57.5	56.1 57.7	56.2 57.8
≥ 4500 ≥ 4000	42.5 41.1	53.9 56.3	56.7 59.3	58.1 60.6	58.5 61.1	58.5 61.1	58.5 61.1	58.5 61.1	58.5 61.1	58.6 61.2	58.6 61.2	58.6 61.2	58.8 61.3	58.8 61.3	58.9 61.5	59.0 61.6
≥ 3500 ≥ 3000	51.4 54.4	57.4 60.5	60.4 63.5	61.7 64.8	62.1 65.4	62.1 65.4	62.3 65.5	62.3 65.6	62.3 65.6	62.4 65.8	62.4 65.8	62.4 65.8	62.5 65.9	62.5 65.9	62.7 66.0	62.8 66.2
≥ 2500 ≥ 2000	57.3 59.6	65.1 67.8	69.1 72.5	70.9 74.8	71.4 75.5	71.4 75.7	71.6 76.0	71.7 76.1	71.7 76.1	71.8 76.3	71.8 76.3	71.8 76.3	72.0 76.4	72.0 76.4	72.1 76.5	72.2 76.7
≥ 1800 ≥ 1500	60.4 61.1	69.4 70.8	74.3 76.0	76.8 79.1	77.5 80.1	77.8 80.9	78.0 81.4	78.2 81.8	78.2 81.8	78.4 82.1	78.6 82.2	78.6 82.2	78.7 82.3	78.7 82.3	78.8 82.5	79.0 82.6
≥ 1200 ≥ 1000	61.6 61.3	71.7 72.8	77.1 78.3	81.0 82.6	82.1 84.1	82.9 84.9	83.7 85.8	84.1 86.3	84.1 86.3	84.4 87.1	84.5 87.2	84.5 87.2	84.6 87.3	84.6 87.3	84.8 87.5	84.9 87.6
≥ 900 ≥ 800	61.9 62.0	73.7 74.0	79.2 79.8	83.6 84.5	85.3 86.5	86.1 87.5	87.2 88.5	87.6 89.2	87.6 89.2	88.4 90.2	88.5 90.3	88.5 90.3	88.7 90.4	88.7 90.4	88.8 90.6	88.9 90.7
≥ 700 ≥ 600	62.3 62.3	74.5 74.7	80.7 81.3	85.8 86.8	87.9 88.9	88.8 90.0	90.2 91.5	90.8 92.2	90.8 92.2	91.8 93.1	92.0 93.5	92.0 93.5	92.2 93.7	92.2 93.7	92.3 93.9	92.5 93.9
≥ 500 ≥ 400	62.4 62.4	74.9 74.9	82.2 82.2	88.5 88.5	90.7 90.7	91.8 91.9	93.5 94.1	94.5 95.1	94.5 95.1	95.7 96.4	96.1 96.9	96.1 96.9	96.2 97.2	96.2 97.2	96.4 97.3	96.5 97.4
≥ 300 ≥ 200	62.4 62.4	74.9 74.9	82.2 82.2	88.7 88.7	91.0 91.0	92.2 92.2	94.5 94.5	95.8 96.0	96.0 96.1	97.6 98.1	98.2 98.9	98.2 98.9	98.7 99.3	98.7 99.3	98.8 99.5	98.9 99.7
≥ 100 ≥ 0	62.4 62.4	74.9 74.9	82.2 82.2	88.7 88.7	91.0 91.0	92.2 92.2	94.5 94.5	96.0 96.0	96.1 96.1	98.4 98.4	99.2 99.2	99.2 99.2	99.6 99.6	99.6 99.6	99.7 99.7	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 742

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.1	42.2	43.5	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	41.1	44.7	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	41.1	44.8	46.2	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	41.6	45.5	46.9	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	42.5	47.3	48.6	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 12000	42.5	47.5	48.9	49.7	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	43.7	48.5	50.0	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	43.7	50.1	51.8	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 8000	44.5	51.0	52.6	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 7000	47.1	52.2	53.9	55.0	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	47.5	54.1	55.9	57.1	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 5000	49.5	55.2	56.9	58.2	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4500	50.0	56.0	57.8	59.0	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 4000	50.0	57.1	58.9	60.1	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500	51.5	58.3	60.2	61.4	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3000	53.1	60.6	62.5	63.9	65.0	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 2500	55.4	64.0	66.9	68.5	69.8	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 2000	57.5	67.3	71.1	72.9	74.3	74.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1800	58.4	68.7	72.5	74.3	75.6	76.0	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1500	58.9	69.2	73.8	76.0	77.5	77.9	78.2	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	59.7	70.0	75.3	77.9	80.4	80.9	81.3	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	59.7	71.0	76.8	80.0	83.0	83.7	84.5	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900	60.2	72.2	78.5	81.9	84.9	85.6	86.4	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	60.2	72.5	79.0	82.4	85.7	86.5	87.5	88.3	88.4	89.2	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	60.4	72.8	79.6	83.1	86.6	87.5	88.4	89.5	89.6	90.5	90.7	90.7	90.7	90.9	90.9	90.9
≥ 600	60.5	73.0	80.1	84.1	87.6	88.4	89.4	90.6	90.7	91.6	91.8	91.8	91.8	92.0	92.0	92.0
≥ 500	60.5	73.2	80.4	85.0	89.5	90.3	91.3	92.8	92.9	93.7	94.1	94.1	94.1	94.3	94.3	94.3
≥ 400	60.5	73.2	80.5	85.3	90.1	91.1	92.4	93.9	94.0	94.8	95.5	95.5	95.5	95.6	95.6	95.6
≥ 300	60.5	73.2	80.5	85.6	90.5	91.6	93.5	95.5	95.6	96.9	97.8	97.8	98.2	98.4	98.4	98.4
≥ 200	60.5	73.2	80.5	85.6	90.5	91.7	93.6	95.9	96.0	97.7	98.6	98.6	99.2	99.3	99.5	99.5
≥ 100	60.5	73.2	80.5	85.6	90.5	91.7	93.6	95.9	96.0	97.7	98.6	98.6	99.2	99.3	99.6	99.7
≥ 0	60.5	73.2	80.5	85.6	90.5	91.7	93.6	95.9	96.0	97.7	98.6	98.6	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

734

GLOBAL CLIMATOLOGY BRANCH  
CENTIAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72c45  
STATION

AUSTIN STRAUBEL #1  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.4	42.1	44.3	45.0	45.1	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	37.2	47.1	50.3	51.1	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	37.2	47.1	50.3	51.1	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	37.2	47.3	50.4	51.2	51.8	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	37.8	48.2	51.4	52.2	52.7	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	39.4	50.1	53.4	54.2	54.8	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	40.9	51.6	55.0	55.8	56.7	57.2	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	41.7	53.0	56.5	57.3	58.2	58.7	58.8	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	42.3	53.5	57.1	57.9	58.8	59.4	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 7000	42.7	54.8	58.3	59.1	60.1	60.6	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	43.1	55.2	58.8	59.6	60.6	61.1	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 5000	44.4	56.8	60.6	61.5	62.5	63.0	63.7	63.7	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	44.4	57.2	61.1	62.1	63.0	63.7	64.5	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4000	45.2	57.9	62.3	62.9	63.9	64.5	65.4	65.4	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500	45.8	59.0	63.2	64.1	65.1	65.8	66.6	66.6	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	46.6	60.2	64.9	66.3	67.3	68.2	69.0	69.0	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6
≥ 2500	48.0	62.4	67.9	69.8	71.2	72.8	74.0	74.0	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2000	48.6	64.1	70.2	72.3	74.0	76.1	77.4	77.4	77.6	78.1	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1800	49.0	64.8	71.1	73.4	75.1	77.2	78.5	78.5	78.7	79.2	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	50.0	66.4	72.8	75.1	77.0	79.3	81.3	81.5	81.7	82.3	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	50.5	67.7	74.5	76.9	79.2	81.5	83.7	84.2	84.4	85.2	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	50.5	67.8	74.6	77.0	79.5	81.8	84.4	85.3	85.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	50.5	67.8	74.9	77.3	80.0	82.3	85.1	86.3	86.5	87.9	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	50.5	67.8	75.3	77.7	80.4	82.9	85.6	87.1	87.4	88.7	89.5	89.5	89.5	89.5	89.5	89.5
≥ 700	50.5	67.8	75.3	77.9	81.3	83.7	86.4	87.9	88.2	89.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 600	50.5	67.9	75.5	78.4	81.8	84.6	87.6	89.5	90.1	91.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	50.5	67.9	75.7	78.5	81.9	84.9	88.0	90.5	91.0	92.8	93.9	93.9	94.2	94.2	94.2	94.2
≥ 400	50.5	67.9	75.7	78.9	82.3	85.3	88.6	91.7	92.3	94.7	96.3	96.3	97.0	97.0	97.0	97.0
≥ 300	50.5	67.9	75.7	78.9	82.3	85.3	88.6	91.8	92.4	95.1	96.9	96.9	98.0	98.0	98.1	98.2
≥ 200	50.5	67.9	75.7	78.9	82.3	85.3	88.6	91.8	92.4	95.4	97.4	97.4	99.0	99.2	99.5	99.6
≥ 100	50.5	67.9	75.7	78.9	82.3	85.3	88.6	91.8	92.4	95.4	97.4	97.4	99.0	99.3	99.7	100.0
≥ 0	50.5	67.9	75.7	78.9	82.3	85.3	88.6	91.8	92.4	95.4	97.4	97.4	99.0	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

12 10-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.5	43.3	46.6	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	40.2	49.5	53.1	53.3	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	40.2	49.5	53.1	53.3	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	40.3	49.6	53.3	53.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	40.9	50.1	54.2	54.4	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	41.9	51.5	55.6	55.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	44.1	54.8	59.1	59.4	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	44.3	55.4	59.8	60.1	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	45.3	56.7	61.0	61.3	63.2	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	45.3	57.5	62.1	62.4	64.3	64.7	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	47.1	58.6	63.4	63.8	65.7	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	48.2	60.1	65.0	65.4	67.3	67.7	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	48.5	60.5	65.5	65.9	68.1	68.5	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	49.3	61.4	66.5	67.3	69.2	69.9	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 3500	50.3	62.4	67.6	68.1	70.3	71.0	71.3	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	51.2	64.4	69.6	70.2	72.5	73.2	73.6	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	51.3	66.1	71.4	72.2	74.8	75.6	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	52.3	67.4	72.9	74.1	76.8	77.8	78.5	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	52.7	68.3	74.0	75.6	78.7	79.7	80.7	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	53.7	70.7	76.7	78.6	81.7	82.8	83.9	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	54.0	72.1	78.6	80.7	83.8	85.1	86.4	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1000	54.0	72.8	79.4	81.6	84.9	86.2	87.5	89.0	89.2	89.5	89.5	89.5	89.8	89.8	89.8	89.8
≥ 900	54.0	73.2	79.8	82.0	85.3	86.6	88.0	89.6	89.9	90.3	90.3	90.3	90.6	90.6	90.6	90.6
≥ 800	54.0	73.2	79.8	82.3	85.6	86.9	88.3	90.1	90.5	90.9	91.0	91.0	91.3	91.3	91.3	91.3
≥ 700	54.0	73.2	79.8	82.6	85.8	87.2	88.7	90.7	91.1	91.7	92.0	92.0	92.4	92.4	92.5	92.5
≥ 600	54.0	73.2	80.0	82.7	86.4	87.7	89.8	92.1	92.5	93.2	93.5	93.5	93.9	93.9	94.0	94.0
≥ 500	54.0	73.2	80.0	82.7	86.5	88.1	90.5	93.5	93.9	94.8	95.1	95.1	95.6	95.6	95.8	95.8
≥ 400	54.0	73.2	80.0	82.7	86.8	88.4	90.7	94.0	94.6	95.9	96.6	96.6	97.7	97.7	97.8	97.8
≥ 300	54.0	73.2	80.0	82.7	86.8	88.4	90.7	94.1	94.7	96.2	97.0	97.0	98.2	98.2	98.6	98.8
≥ 200	54.0	73.2	80.0	82.7	86.8	88.4	90.7	94.1	94.7	96.2	97.1	97.1	98.8	98.8	99.2	99.3
≥ 100	54.0	73.2	80.0	82.7	86.8	88.4	90.7	94.1	94.7	96.2	97.1	97.1	98.9	98.9	99.6	100.0
≥ 0	54.0	73.2	80.0	82.7	86.8	88.4	90.7	94.1	94.7	96.2	97.1	97.1	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 734

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 (45)

AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15.0-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	36.1	40.5	43.1	43.3	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	35.9	45.4	48.9	49.7	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 18000	33.9	45.4	48.9	49.7	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	33.9	45.4	48.9	49.7	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	40.2	46.9	50.5	51.4	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	41.4	48.6	52.4	53.3	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	43.1	51.2	55.3	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	44.3	53.1	57.5	58.4	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	45.2	54.3	58.8	59.8	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 7000	46.3	55.4	60.1	61.1	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	47.8	57.5	62.5	63.6	64.7	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	49.0	59.5	64.5	65.6	67.0	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	49.5	60.3	65.5	66.7	68.2	68.5	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	50.4	61.5	66.8	68.3	69.8	70.1	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	52.0	63.3	68.6	70.1	71.6	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	53.3	65.5	71.1	72.6	74.2	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	55.2	67.7	73.5	75.0	76.8	77.7	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	56.5	70.7	76.9	78.7	80.4	81.5	82.1	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	56.7	71.2	77.7	79.8	81.7	82.9	83.4	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	57.3	72.7	79.5	81.9	84.2	85.5	86.1	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	57.6	73.5	80.7	83.4	85.7	87.1	87.9	88.9	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	57.7	74.0	81.4	84.4	87.0	88.5	89.3	90.5	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	57.7	74.0	81.7	84.8	87.4	88.9	89.7	91.0	91.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	57.7	74.0	81.7	84.8	87.4	88.9	89.8	91.4	91.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	57.7	74.0	81.7	84.9	87.5	89.1	90.2	92.0	92.1	93.2	93.3	93.3	93.6	93.6	93.6	93.6
≥ 600	57.7	74.0	81.7	84.9	88.2	89.8	90.9	92.9	93.1	94.3	94.4	94.4	94.7	94.7	94.7	94.7
≥ 500	57.7	74.0	81.7	84.9	88.7	90.5	91.6	93.8	93.9	95.2	95.9	95.9	96.6	96.6	96.6	96.6
≥ 400	57.7	74.0	81.7	84.9	88.9	90.6	91.7	94.0	94.2	95.8	96.7	96.7	97.6	97.6	97.6	97.6
≥ 300	57.7	74.0	81.7	84.9	88.9	90.6	91.7	94.0	94.2	95.8	96.7	96.7	98.2	98.2	98.4	98.4
≥ 200	57.7	74.0	81.7	84.9	88.9	90.6	91.7	94.0	94.2	95.8	96.7	96.7	98.9	98.9	99.3	99.3
≥ 100	57.7	74.0	81.7	84.9	88.9	90.6	91.7	94.0	94.2	95.8	96.7	96.7	99.0	99.0	99.6	99.9
≥ 0	57.7	74.0	81.7	84.9	88.9	90.6	91.7	94.0	94.2	95.8	96.7	96.7	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 736

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720451

AUSTIN STRAUBEL WI

74-61

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥0
NO CEILING	36.7	40.7	41.8	41.9	42.2	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥20000	38.7	43.4	44.7	44.9	45.3	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥18000	38.7	43.5	44.9	45.0	45.4	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000	38.9	43.8	45.1	45.3	45.7	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥14000	40.0	44.9	46.2	46.4	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000	40.7	45.7	47.2	47.3	47.7	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥10000	43.7	48.8	50.3	50.4	50.8	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 9000	45.1	50.7	52.3	52.6	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	45.1	51.8	53.5	53.9	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	43.4	54.4	56.2	56.6	57.0	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 6000	49.3	56.3	58.1	58.5	58.9	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 5000	50.3	58.5	60.6	61.1	61.5	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 4500	51.7	60.1	62.3	62.8	63.2	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4000	63.2	62.5	65.7	65.6	66.2	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500	64.6	64.4	67.0	67.7	68.2	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 3000	57.1	67.1	70.8	71.4	72.0	72.2	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2500	59.9	68.9	72.9	74.4	75.2	75.5	75.7	75.9	76.0	76.0	76.1	76.1	76.3	76.3	76.3	76.3
IV 2000	61.3	72.1	76.4	78.2	79.4	79.9	80.5	80.6	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0
IV 1800	61.6	73.2	77.5	79.8	81.1	81.7	82.3	82.5	82.6	82.6	82.7	82.7	82.9	82.9	82.9	82.9
IV 1500	62.7	74.8	79.2	81.8	83.6	84.2	84.9	85.0	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.4
IV 1200	62.7	75.5	80.5	83.3	85.0	85.7	86.7	87.5	87.6	87.6	87.7	87.7	87.9	87.9	87.9	87.9
IV 1000	63.1	76.4	81.5	85.2	87.1	87.7	88.9	90.2	90.3	90.4	90.6	90.6	90.7	90.7	90.7	90.7
IV 900	63.1	76.8	82.3	86.1	88.4	89.1	90.3	91.5	91.6	91.9	92.0	92.0	92.2	92.2	92.2	92.2
IV 800	63.1	76.8	82.3	86.4	88.7	89.4	90.6	91.8	91.9	92.3	92.5	92.5	92.6	92.6	92.6	92.6
IV 700	63.1	77.1	83.0	87.7	90.0	90.7	92.0	93.3	93.4	93.8	93.9	93.9	94.1	94.1	94.1	94.1
IV 600	63.1	77.2	83.4	88.9	91.5	92.3	93.7	95.0	95.3	95.7	95.8	95.8	96.0	96.0	96.0	96.0
IV 500	63.1	77.2	83.4	88.9	91.5	92.3	93.7	95.0	95.3	96.1	96.8	96.8	97.0	97.0	97.0	97.0
IV 400	63.1	77.2	83.4	88.9	91.5	92.3	93.7	95.0	95.3	96.4	97.3	97.3	98.1	98.2	98.2	98.2
IV 300	63.1	77.2	83.4	88.9	91.5	92.3	93.8	95.1	95.6	96.6	98.0	98.0	98.8	98.9	98.9	98.9
IV 200	63.1	77.2	83.4	88.9	91.5	92.3	93.8	95.1	95.6	96.6	98.0	98.0	98.9	99.1	99.3	99.3
IV 100	63.1	77.2	83.4	88.9	91.5	92.3	93.8	95.1	95.6	96.6	98.0	98.0	99.1	99.3	99.6	99.6
IV 0	63.1	77.2	83.4	88.9	91.5	92.3	93.8	95.1	95.6	96.6	98.0	98.0	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 742

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	40.9	44.9	45.8	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	42.4	46.8	47.8	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 18000	42.7	47.2	48.2	48.8	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	42.7	47.2	48.2	48.8	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	43.4	48.2	49.3	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 12000	43.9	49.1	50.1	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	45.5	50.9	52.0	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	47.3	52.4	53.5	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	47.3	52.7	53.8	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	47.8	54.3	55.4	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	50.3	56.4	57.6	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	51.4	57.8	59.2	60.5	60.7	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9
≥ 4500	52.7	58.6	60.0	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	52.6	60.0	61.4	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3500	54.2	62.0	63.4	64.7	65.0	65.0	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 3000	57.6	65.7	68.1	69.6	69.9	69.9	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2500	65.1	68.8	71.6	73.8	74.1	74.1	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	62.6	72.3	75.3	77.8	78.1	78.2	78.6	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1800	62.7	72.6	75.7	78.4	78.8	79.2	79.6	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	63.2	73.8	77.4	80.4	81.4	82.0	82.6	82.6	82.6	83.0	83.0	83.0	83.1	83.1	83.1	83.1
≥ 1200	63.6	75.7	79.7	83.2	84.2	84.9	85.4	85.7	85.7	86.1	86.2	86.2	86.4	86.4	86.4	86.4
≥ 1000	63.8	76.2	80.8	84.7	85.8	86.8	87.4	88.1	88.1	89.2	89.5	89.5	89.6	89.6	89.6	89.6
≥ 900	63.9	76.8	81.6	85.7	86.9	88.1	88.8	89.5	89.5	90.5	90.8	90.8	90.9	90.9	90.9	90.9
≥ 800	63.9	77.0	82.7	87.2	88.5	89.7	90.4	91.2	91.4	92.7	93.2	93.2	93.4	93.4	93.4	93.4
≥ 700	63.9	77.3	83.0	87.8	89.2	90.7	91.4	92.3	92.6	93.9	94.6	94.6	94.7	94.7	94.7	94.7
≥ 600	63.9	78.0	83.9	89.3	90.8	92.8	93.6	94.9	95.1	96.5	97.2	97.2	97.3	97.3	97.3	97.3
≥ 500	63.9	78.0	84.1	89.5	90.9	93.0	93.9	95.3	95.5	97.2	97.8	97.8	98.0	98.0	98.0	98.0
≥ 400	63.9	78.0	84.1	89.6	91.2	93.4	94.3	95.7	96.1	98.1	98.8	98.8	98.9	98.9	98.9	98.9
≥ 300	63.9	78.0	84.1	89.6	91.5	93.6	94.6	95.9	96.4	98.4	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200	63.9	78.0	84.1	89.7	91.6	93.8	94.9	96.4	96.8	98.8	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100	63.9	78.0	84.1	89.7	91.6	93.8	94.9	96.4	96.8	98.8	99.6	99.6	99.9	100.0	100.0	100.0
≥ 0	63.9	78.0	84.1	89.7	91.6	93.8	94.9	96.4	96.8	98.8	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

740

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726451 AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.3	42.8	44.6	45.1	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.6
≥ 20000	40.6	46.1	48.4	48.9	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6
≥ 18000	40.6	46.2	48.5	49.0	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7
≥ 16000	40.7	46.4	48.6	49.2	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	41.5	47.4	49.8	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0
≥ 12000	42.4	48.6	51.1	51.6	52.0	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000	44.0	50.5	53.1	53.6	54.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5
≥ 9000	45.3	52.1	54.8	55.4	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	46.1	52.9	55.7	56.4	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
≥ 7000	47.3	54.1	57.0	57.7	58.4	58.6	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9
≥ 6000	48.0	55.5	58.5	59.4	60.1	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	49.1	57.0	60.2	61.2	61.9	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500	49.7	57.8	61.1	62.1	62.9	63.2	63.4	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000	50.6	58.3	62.7	63.8	64.6	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.4	65.4
≥ 3500	51.1	60.9	64.3	65.4	66.3	66.5	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 3000	53.7	63.4	67.3	68.5	69.4	69.8	70.1	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2500	55.5	66.1	70.6	72.3	73.4	73.9	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	57.5	68.9	73.7	75.7	77.0	77.8	78.4	78.5	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9
≥ 1800	58.0	69.8	74.8	77.1	78.5	79.3	79.9	80.1	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	58.7	71.2	76.6	79.2	80.9	81.9	82.8	83.1	83.2	83.4	83.5	83.5	83.5	83.5	83.6	83.6
≥ 1200	59.1	72.3	78.2	81.1	83.0	84.1	85.1	85.7	85.8	86.1	86.2	86.2	86.3	86.3	86.3	86.3
≥ 1000	59.2	73.1	79.1	82.4	84.6	85.7	86.9	87.8	87.9	88.5	88.6	88.6	88.7	88.7	88.7	88.8
≥ 900	59.3	73.5	79.9	83.3	85.6	86.8	88.1	89.0	89.1	89.9	90.0	90.0	90.1	90.1	90.1	90.1
≥ 800	59.3	73.6	80.3	83.9	86.3	87.6	88.8	89.9	90.1	90.9	91.2	91.2	91.3	91.3	91.3	91.3
≥ 700	59.4	73.8	80.7	84.7	87.2	88.5	89.9	91.1	91.2	92.1	92.5	92.5	92.6	92.6	92.7	92.7
≥ 600	59.4	74.1	81.1	85.4	88.1	89.6	91.1	92.5	92.7	93.7	94.1	94.1	94.2	94.3	94.3	94.3
≥ 500	59.4	74.1	81.3	86.0	88.9	90.5	92.1	93.7	94.0	95.2	95.7	95.7	96.0	96.0	96.1	96.1
≥ 400	59.4	74.1	81.4	86.1	89.1	90.8	92.6	94.4	94.6	96.1	97.0	97.0	97.5	97.5	97.5	97.6
≥ 300	59.4	74.1	81.4	86.1	89.2	90.9	92.8	94.8	95.1	96.8	97.9	97.9	98.6	98.6	98.7	98.7
≥ 200	59.4	74.1	81.4	86.2	89.3	90.9	92.9	94.9	95.3	97.1	98.3	98.3	99.2	99.3	99.5	99.5
≥ 100	59.4	74.1	81.4	86.2	89.3	90.9	92.9	95.0	95.3	97.2	98.3	98.3	99.3	99.5	99.7	99.9
≥ 0	59.4	74.1	81.4	86.2	89.3	90.9	92.9	95.0	95.3	97.2	98.3	98.3	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2  
CENTRAL CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72451

AUSTIN STRAUBEL #1

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	49.1	44.4	45.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	42.2	46.9	47.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.3
≥ 18000	42.3	47.1	47.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.4
≥ 16000	42.3	47.5	48.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.9
≥ 14000	42.6	48.1	49.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.6
≥ 12000	44.2	49.9	50.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.4
≥ 10000	45.0	51.0	51.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.5
≥ 9000	46.3	53.4	54.4	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.0
≥ 8000	47.6	54.6	55.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.8
≥ 7000	49.1	56.0	57.7	59.3	59.6	59.6	59.6	59.6	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0
≥ 6000	50.7	58.6	60.8	62.4	62.7	62.8	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.3
≥ 5000	52.1	60.3	62.5	64.3	64.6	64.7	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.2
≥ 4500	52.5	60.9	63.1	64.9	65.2	65.3	65.5	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.9
≥ 4000	53.7	62.4	64.9	66.7	67.0	67.1	67.3	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.7
≥ 3500	55.3	64.3	67.1	69.2	69.5	69.6	69.8	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 3000	59.1	68.6	71.2	73.5	73.9	74.0	74.2	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6
≥ 2500	62.7	72.9	75.7	78.6	79.5	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.4
≥ 2000	64.5	75.7	79.1	82.6	83.8	83.9	84.1	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥ 1800	65.2	76.4	80.1	84.2	85.7	86.0	86.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.2
≥ 1500	65.5	76.8	80.8	85.3	87.2	87.5	88.1	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 1200	65.6	77.3	81.3	85.8	88.1	88.3	88.9	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.1
≥ 1000	65.9	77.7	81.9	86.9	89.2	90.0	91.0	92.0	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 900	66.2	78.0	82.2	87.3	89.7	90.4	91.7	92.8	92.8	93.5	93.5	93.5	93.5	93.5	93.5	93.7
≥ 800	66.2	78.2	82.4	87.6	90.0	90.7	92.2	93.2	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.1
≥ 700	66.2	78.2	82.4	87.6	90.0	90.7	92.5	93.5	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.4
≥ 600	66.2	78.3	82.9	88.3	90.9	91.7	94.0	95.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9	96.0
≥ 500	66.2	78.6	83.3	89.5	92.0	93.1	95.7	96.8	96.9	97.8	97.8	97.8	97.8	97.9	97.9	98.1
≥ 400	66.2	78.6	83.3	89.8	92.5	93.5	96.2	97.3	97.5	98.4	98.4	98.4	98.4	98.5	98.5	98.7
≥ 300	66.2	78.6	83.3	89.8	92.5	93.5	96.3	97.5	97.6	98.5	98.5	98.5	98.5	98.8	98.8	99.0
≥ 200	66.2	78.6	83.3	89.8	92.5	93.5	96.3	97.5	97.8	98.7	98.7	98.7	98.7	99.0	99.0	99.6
≥ 100	66.2	78.6	83.3	89.8	92.5	93.5	96.3	97.5	97.8	98.7	98.7	98.7	98.7	99.0	99.0	99.7
≥ 0	66.2	78.6	83.3	89.8	92.5	93.5	96.3	97.5	97.8	98.7	98.7	98.7	98.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72445

AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0700-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	36.9 37.3	41.0 42.0	42.5 43.6	43.9 45.3	43.9 45.3	43.9 45.3	44.4 45.7	44.5 45.9	44.5 45.9	44.7 46.1	44.8 46.2	44.8 46.2	44.8 46.2	44.8 46.2	45.1 46.4	45.1 46.4
≥ 18000	36.9 36.9	42.8 43.2	44.4 44.4	46.0 46.4	46.0 46.4	46.0 46.4	46.4 46.9	46.6 47.0	46.6 47.0	46.7 47.2	46.9 47.3	46.9 47.3	46.9 47.3	46.9 47.3	47.2 47.6	47.2 47.6
≥ 16000	36.9 36.9	43.2 43.3	44.4 45.3	46.4 46.9	46.4 46.9	46.4 46.9	46.9 47.3	47.0 47.5	47.0 47.5	47.2 47.6	47.3 47.8	47.3 47.8	47.3 47.8	47.3 47.8	47.6 48.1	47.6 48.1
≥ 14000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 12000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 10000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 9000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 8000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 7000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 6000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 5000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 4500	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 4000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 3500	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 3000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 2500	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 2000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 1800	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 1500	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 1200	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 1000	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 900	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 800	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 700	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 600	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 500	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 400	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 300	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 200	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 100	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1
≥ 0	36.9 36.9	43.3 43.3	45.3 46.9	46.9 46.9	46.9 46.9	46.9 47.3	47.3 47.5	47.5 47.5	47.5 47.5	47.6 47.6	47.8 47.8	47.8 47.8	47.8 47.8	47.8 47.8	48.1 48.1	48.1 48.1

TOTAL NUMBER OF OBSERVATIONS 676

CLIMATOLOGY BRANCH  
STAFETAC  
AIR WEATHER SERVICE/ IAC

## CEILING VERSUS VISIBILITY

72-45

AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-1600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	32.3	36.1	37.6	38.8	39.5	39.8	40.4	40.6	40.6	41.0	41.0	41.0	41.4	41.4	41.9	42.3
≥ 20000	34.1	38.2	39.8	41.6	42.5	43.1	43.7	43.8	43.8	44.2	44.2	44.2	44.7	44.7	45.1	45.6
≥ 18000	34.2	38.3	40.0	41.7	42.6	43.2	43.8	44.0	44.0	44.4	44.4	44.4	44.8	44.8	45.3	45.7
≥ 16000	34.5	38.8	40.4	42.2	43.1	43.7	44.4	44.5	44.5	45.0	45.0	45.0	45.4	45.4	45.9	46.3
≥ 14000	34.7	39.8	41.4	43.2	44.1	44.7	45.4	45.6	45.6	46.0	46.0	46.0	46.5	46.5	46.9	47.3
≥ 12000	35.3	41.3	43.4	45.1	46.0	46.8	47.6	47.8	47.8	48.2	48.0	48.2	48.7	48.7	49.1	49.6
≥ 10000	37.2	43.1	45.1	46.9	47.8	48.5	49.6	49.9	49.9	50.3	50.3	50.3	50.7	50.7	51.2	51.6
≥ 9000	38.8	44.8	46.9	48.7	49.6	50.3	51.3	51.6	51.6	52.1	52.1	52.1	52.5	52.5	52.9	53.4
≥ 8000	40.3	46.9	49.1	50.9	51.8	52.5	53.5	53.8	53.8	54.3	54.3	54.3	54.7	54.7	55.2	55.6
≥ 7000	42.3	49.3	51.6	53.4	54.3	55.2	56.2	56.5	56.5	56.9	56.9	56.9	57.4	57.4	57.8	58.3
≥ 6000	44.7	52.5	55.0	56.8	57.7	58.7	60.0	60.3	60.3	60.8	60.8	60.8	61.2	61.2	61.7	62.1
≥ 5000	45.0	53.4	55.9	57.7	58.6	59.7	61.1	61.4	61.4	61.8	61.8	61.8	62.2	62.2	62.7	63.1
≥ 4500	45.7	54.6	57.1	58.8	59.9	61.1	62.4	62.7	62.7	63.1	63.1	63.1	63.6	63.6	64.0	64.5
≥ 4000	46.7	55.8	58.4	60.2	61.4	62.5	63.9	64.2	64.2	64.9	64.9	64.9	65.3	65.3	65.8	66.2
≥ 3500	46.7	56.3	59.1	60.8	61.9	63.1	64.5	64.9	64.9	65.6	65.6	65.6	66.1	66.1	66.5	67.0
≥ 3000	48.5	58.8	61.8	64.2	65.6	66.8	68.1	68.9	68.9	69.6	69.6	69.6	70.1	70.1	70.5	70.9
≥ 2500	52.5	63.4	66.4	69.0	70.6	72.3	73.7	74.5	74.5	75.4	75.4	75.4	75.8	75.8	76.3	76.7
≥ 2000	50.3	67.4	70.9	73.7	76.1	77.9	79.6	80.4	80.4	81.7	81.7	81.7	82.2	82.2	82.6	83.0
≥ 1800	56.5	68.1	71.7	74.5	76.8	78.8	80.7	81.4	81.4	82.7	82.7	82.7	83.2	83.2	83.6	84.1
≥ 1500	57.4	69.9	73.6	76.7	79.2	81.3	83.2	83.9	84.2	85.5	85.5	85.5	86.0	86.0	86.4	86.9
≥ 1200	59.3	70.9	74.9	78.2	81.1	83.2	85.5	86.3	86.6	87.9	87.9	87.9	88.3	88.3	88.8	89.2
≥ 1000	59.4	71.1	75.1	78.6	81.6	83.9	86.6	87.6	87.9	90.0	90.0	90.0	90.4	90.4	90.9	91.3
≥ 900	59.8	71.7	75.7	79.2	82.3	84.7	87.3	88.3	88.6	90.7	90.7	90.7	91.2	91.2	91.6	92.0
≥ 800	59.8	71.8	75.8	79.5	82.6	85.1	87.8	88.8	89.1	91.2	91.3	91.3	91.7	91.7	92.2	92.6
≥ 700	59.8	71.8	75.8	79.6	82.9	85.5	88.3	89.4	89.7	91.9	92.0	92.0	92.5	92.5	92.9	93.4
≥ 600	59.8	72.1	76.0	80.1	83.3	86.0	88.9	90.1	90.4	92.6	92.8	92.8	93.2	93.2	93.7	94.1
≥ 500	59.8	72.0	76.0	80.4	83.6	86.3	89.4	90.7	91.0	93.4	93.7	93.7	94.2	94.2	94.7	95.1
≥ 400	59.8	72.0	76.0	80.5	83.8	86.4	89.5	91.0	91.3	93.8	94.1	94.1	95.0	95.0	95.4	95.9
≥ 300	59.8	72.0	76.0	80.5	83.8	86.6	89.8	91.7	92.0	94.5	95.0	95.0	96.5	96.5	97.3	97.8
≥ 200	59.8	72.1	76.0	80.5	83.8	86.6	89.8	91.7	92.2	94.8	95.6	95.6	97.5	97.6	98.5	99.0
≥ 100	59.8	72.1	76.0	80.5	83.8	86.6	89.8	91.7	92.2	95.0	95.7	95.9	97.8	97.9	99.0	99.4
≥ 0	59.8	72.0	76.0	80.5	83.8	86.6	89.8	91.7	92.2	95.0	95.7	95.9	97.8	97.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 67

2  
JL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7243

AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	1.3	37.8	39.7	41.4	44.0	44.2	44.7	44.8	45.0	45.3	45.3	45.3	45.4	45.4	45.4	45.4
≥ 20000	34.5	43.2	45.6	47.3	50.4	51.2	51.6	51.8	51.9	52.2	52.2	52.2	52.4	52.4	52.4	52.4
≥ 18000	34.5	43.2	45.6	47.3	50.4	51.2	51.6	51.8	51.9	52.2	52.2	52.2	52.4	52.4	52.4	52.4
≥ 16000	34.5	43.2	45.6	47.3	50.4	51.2	51.6	51.8	51.9	52.2	52.2	52.2	52.4	52.4	52.4	52.4
≥ 14000	34.5	43.2	45.6	47.3	50.4	51.2	51.6	51.8	51.9	52.2	52.2	52.2	52.4	52.4	52.4	52.4
≥ 12000	34.5	43.2	45.6	47.3	50.4	51.2	51.6	51.8	51.9	52.2	52.2	52.2	52.4	52.4	52.4	52.4
≥ 10000	35.1	44.4	46.9	48.7	51.8	52.5	53.1	53.2	53.4	53.7	53.7	53.7	53.8	53.8	53.8	53.8
≥ 9000	35.1	44.4	46.9	48.7	51.8	52.5	53.1	53.2	53.4	53.7	53.7	53.7	53.8	53.8	53.8	53.8
≥ 8000	37.3	46.8	49.3	51.0	54.4	55.3	55.9	56.2	56.5	56.8	56.8	56.8	56.9	56.9	56.9	56.9
≥ 7000	37.3	46.8	49.3	51.0	54.4	55.3	55.9	56.2	56.5	56.8	56.8	56.8	56.9	56.9	56.9	56.9
≥ 6000	37.3	46.8	49.3	51.0	54.4	55.3	55.9	56.2	56.5	56.8	56.8	56.8	56.9	56.9	56.9	56.9
≥ 5000	38.5	48.8	51.5	53.2	56.6	57.5	58.1	58.4	58.8	59.1	59.1	59.1	59.3	59.3	59.3	59.3
≥ 4500	40.1	51.0	53.8	55.9	59.4	60.3	61.1	61.5	61.9	62.4	62.5	62.5	62.7	62.7	62.7	62.7
≥ 4000	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 3500	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 3000	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 2500	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 2000	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 1800	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 1600	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 1400	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 1200	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 1000	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 900	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 800	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 700	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 600	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 500	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 400	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 300	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 200	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 100	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5
≥ 0	41.2	52.2	55.0	57.2	60.8	61.8	62.7	63.3	63.7	64.2	64.3	64.3	64.5	64.5	64.5	64.5

TOTAL NUMBER OF OBSERVATIONS 676

GENERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

728451 AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	35.7	40.6	42.0	43.7	44.7	44.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000 IV 16000	40.7	46.6	49.4	51.0	52.1	52.1	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000 IV 12000	41.2	47.1	49.9	51.5	52.5	52.5	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000 IV 9000	41.3	47.8	50.7	52.4	53.4	53.4	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000 IV 7000	42.3	48.1	52.1	53.7	54.7	54.7	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000 IV 5000	43.3	50.6	53.7	55.6	56.8	56.8	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500 IV 4000	45.1	52.1	55.6	57.5	58.7	58.7	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 3500 IV 3000	45.7	53.1	56.6	58.6	59.9	59.9	60.3	60.9	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2
≥ 2500 IV 2000	46.3	54.1	57.7	59.7	61.1	61.1	61.5	62.1	62.1	62.1	62.2	62.4	62.4	62.4	62.4	62.4
≥ 1800 IV 1500	47.5	55.6	59.3	61.4	63.0	63.1	63.7	64.3	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6
≥ 1200 IV 1000	47.5	56.3	60.3	62.4	64.3	64.5	65.0	65.6	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9
≥ 900 IV 800	49.1	57.5	61.7	63.9	65.9	66.1	66.8	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
≥ 700 IV 600	50.1	59.0	63.1	65.3	67.4	67.6	68.3	69.3	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6
≥ 500 IV 400	50.3	60.0	64.3	66.5	68.6	68.9	69.6	70.6	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9
≥ 300 IV 200	53.7	63.9	68.3	70.6	72.7	73.0	73.7	74.8	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 100 IV 0	55.6	66.8	71.5	74.2	76.4	76.7	77.7	78.8	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1
	57.8	69.9	74.9	77.7	80.2	80.5	81.9	83.0	83.0	83.3	83.5	83.5	83.6	83.6	83.6	83.6
	59.3	71.7	77.3	79.8	82.6	83.0	84.5	85.7	85.7	86.0	86.1	86.1	86.3	86.3	86.3	86.3
	59.7	72.9	78.2	81.4	85.0	85.4	87.3	88.9	88.9	89.5	89.7	89.7	89.8	89.8	89.8	89.8
	60.2	73.9	79.4	82.9	86.6	87.3	89.4	91.3	91.3	92.0	92.3	92.3	92.6	92.6	92.6	92.6
	60.3	74.6	80.2	84.1	87.8	88.6	90.7	92.8	92.8	93.7	94.1	94.1	94.4	94.4	94.4	94.4
	60.3	74.6	80.2	84.2	87.9	88.9	91.3	93.5	93.5	94.4	94.8	94.8	95.1	95.1	95.1	95.1
	60.3	74.8	80.4	84.4	88.3	89.4	91.7	94.1	94.1	95.3	95.7	95.7	96.0	96.0	96.0	96.0
	60.3	74.8	80.5	84.5	88.5	89.8	92.5	94.8	95.0	96.2	96.6	96.6	96.9	96.9	96.9	96.9
	60.3	74.8	80.7	84.7	88.6	90.3	92.9	95.4	95.6	96.9	97.3	97.3	97.6	97.6	97.6	97.6
	60.3	74.8	80.7	84.7	88.9	90.7	93.7	96.3	96.5	98.1	98.5	98.5	98.8	98.8	98.8	98.8
	60.3	74.8	80.7	84.7	88.9	90.7	93.7	96.3	96.5	98.2	98.7	98.7	99.7	99.9	100.0	100.0
	60.3	74.8	80.7	84.7	88.9	90.7	93.7	96.3	96.5	98.2	98.7	98.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 678

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT-WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

126437

AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	37.6	42.3	42.6	43.4	44.2	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	44.5	50.4	51.8	52.8	53.7	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 18000	44.7	50.6	51.9	52.9	53.8	53.8	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	44.7	50.7	52.1	53.1	54.0	54.0	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000	45.1	52.1	53.4	54.4	55.3	55.3	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	47.8	54.4	55.8	56.8	57.7	57.7	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	49.6	56.5	57.8	59.0	59.9	59.9	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	51.0	58.6	60.5	61.7	62.5	62.5	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	51.7	59.7	61.7	62.8	63.7	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	52.4	60.9	63.0	64.2	65.0	65.0	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 6000	52.8	61.7	63.7	64.9	65.9	65.9	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	54.3	64.2	66.2	67.4	68.4	68.4	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	56.1	66.8	69.0	70.4	71.7	71.7	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	57.1	68.3	70.4	71.8	73.3	73.5	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	57.2	68.3	70.8	72.3	73.7	74.3	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	59.4	71.1	73.7	75.4	76.8	77.1	77.7	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	60.6	73.0	75.8	77.6	79.6	79.9	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	62.7	75.8	79.1	81.3	84.4	84.8	86.0	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800	63.7	77.3	81.7	82.9	86.1	86.6	87.9	88.5	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	63.7	77.7	81.4	83.8	87.2	87.9	89.8	90.9	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	64.0	78.2	81.5	84.4	87.9	88.6	90.7	91.9	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	64.2	78.6	82.3	84.8	88.3	89.1	91.2	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	64.2	78.8	82.4	85.0	88.6	89.4	91.9	93.7	93.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	64.2	78.8	82.4	85.0	88.9	89.7	92.2	94.1	94.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	64.2	78.9	82.6	85.1	89.1	90.0	92.6	94.5	94.5	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	64.2	79.1	82.7	85.3	89.4	90.4	93.1	95.6	95.6	97.2	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	64.2	79.1	82.7	85.3	89.4	90.4	93.1	95.6	95.6	97.5	97.8	97.8	97.9	97.9	97.9	97.9
≥ 400	64.2	79.1	82.7	85.3	89.4	90.6	93.5	96.0	96.0	98.2	98.7	98.7	99.0	99.0	99.0	99.0
≥ 300	64.2	79.1	82.7	85.3	89.7	90.9	93.8	96.3	96.3	98.7	99.1	99.1	99.4	99.4	99.4	99.4
≥ 200	64.2	79.1	82.7	85.3	89.7	90.9	93.8	96.3	96.3	98.7	99.1	99.1	99.6	99.6	99.7	99.7
≥ 100	64.2	79.1	82.7	85.3	89.7	90.9	93.8	96.5	96.5	98.8	99.3	99.3	99.7	99.7	100.0	100.0
≥ 0	64.2	79.1	82.7	85.3	89.7	90.9	93.8	96.5	96.5	98.8	99.3	99.3	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 672

2  
JUNIOR CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72645

AUSTIN STRAUBEL WI

74-61

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4
NO CEILING	40.7	43.7	44.4	45.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	45.7	49.7	50.6	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	45.7	50.0	51.0	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 16000	45.7	50.0	51.0	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	46.5	51.7	52.1	53.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	48.1	52.5	53.8	55.6	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	50.6	55.6	57.1	59.0	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000	52.1	58.1	59.7	61.7	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	53.5	59.1	61.8	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	54.3	60.0	61.7	64.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	54.7	61.2	62.8	65.3	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	56.6	63.3	65.2	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	56.4	65.9	68.3	71.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	59.3	67.1	69.8	73.0	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	59.7	67.8	70.5	74.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000	62.4	71.4	74.0	77.7	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	64.7	74.2	77.4	81.4	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	66.7	76.4	80.4	84.7	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	66.7	77.0	81.1	85.5	88.2	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	66.8	77.1	81.4	86.0	88.9	89.4	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200	66.8	77.1	81.9	86.4	89.4	90.0	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	67.1	77.6	82.3	87.2	90.3	91.0	91.9	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	67.3	77.7	82.4	87.5	90.6	91.3	92.2	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	67.3	78.0	82.7	87.8	91.0	91.7	92.9	93.7	93.8	94.4	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	67.4	78.3	83.0	88.2	91.4	92.3	93.8	94.5	94.7	95.3	96.2	96.2	96.2	96.2	96.2	96.2
≥ 600	67.6	78.6	83.3	88.8	92.5	93.4	94.8	95.7	96.0	96.6	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	67.6	78.6	83.3	88.9	92.6	93.5	95.1	96.0	96.3	96.9	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	67.6	78.8	83.6	89.2	92.9	93.8	95.6	96.5	96.8	97.5	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	67.6	78.8	83.6	89.2	92.9	93.8	95.7	96.6	97.1	97.9	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	67.6	78.8	83.6	89.2	92.9	93.8	95.7	96.6	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3
≥ 100	67.6	78.8	83.6	89.2	92.9	93.8	95.7	96.6	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3
≥ 0	67.6	78.8	83.6	89.2	92.9	93.8	95.7	96.6	97.1	98.1	99.0	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 675

2  
GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720431      AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	42.5	44.4	45.4	46.3	46.9	46.9	46.9	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	46.0	48.2	49.4	50.7	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	46.0	48.4	49.6	50.9	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	46.0	48.5	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	46.2	49.1	50.4	51.8	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	47.8	50.9	52.2	53.5	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	49.6	52.7	54.0	55.3	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 9000	51.5	54.9	56.3	57.8	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	52.2	55.8	57.2	58.7	59.3	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	53.5	57.7	59.1	60.6	61.2	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	55.6	60.9	63.1	64.7	65.3	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	57.1	62.4	64.7	66.5	67.1	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	59.7	64.6	67.7	68.9	69.5	69.8	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	59.6	65.5	68.3	70.2	70.8	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500	61.1	67.1	70.2	72.4	73.0	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	64.7	71.7	74.8	77.4	78.0	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	68.3	75.4	78.8	81.6	82.4	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	69.5	77.4	81.6	85.0	86.3	87.2	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	69.8	78.1	82.3	85.8	87.3	88.3	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	69.9	78.2	82.9	86.4	88.9	90.0	90.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	70.1	78.3	83.0	86.7	89.2	90.3	91.3	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	70.1	78.3	83.0	86.7	89.2	90.3	91.3	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	70.6	78.9	83.6	87.3	89.8	90.9	91.9	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	70.6	78.9	83.6	87.5	90.1	91.2	92.2	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	70.8	79.1	83.8	87.8	90.6	91.9	92.9	93.8	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	70.8	79.6	84.7	88.9	91.7	93.1	94.2	95.1	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500	70.6	80.1	85.3	89.5	92.8	94.1	95.4	96.5	96.5	97.5	97.6	97.6	97.9	97.9	97.9	97.9
≥ 400	70.6	80.1	85.3	90.0	93.2	94.7	96.3	97.5	97.5	98.8	99.0	99.0	99.3	99.3	99.3	99.3
≥ 300	70.6	80.1	85.3	90.0	93.2	94.7	96.3	97.5	97.5	99.0	99.3	99.3	99.6	99.6	99.6	99.6
≥ 200	70.6	80.1	85.3	90.0	93.2	94.7	96.3	97.5	97.5	99.0	99.3	99.4	99.9	99.9	99.9	99.9
≥ 100	73.6	80.1	85.3	90.0	93.2	94.7	96.3	97.5	97.5	99.1	99.4	99.6	100.0	100.0	100.0	100.0
≥ 0	70.6	80.1	85.3	90.0	93.2	94.7	96.3	97.5	97.5	99.1	99.4	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 678



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FER  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	37.1	41.3	42.4	43.6	44.4	44.5	44.7	44.9	44.9	45.0	45.0	45.0	45.1	45.1	45.2	45.3
≥ 20000	40.6	45.7	47.2	48.8	49.7	49.9	50.1	50.2	50.3	50.4	50.4	50.4	50.5	50.5	50.6	50.7
≥ 18000	40.3	45.9	47.5	49.0	49.9	50.1	50.4	50.5	50.5	50.6	50.7	50.7	50.7	50.7	50.8	50.9
≥ 16000	41.3	46.1	47.7	49.3	50.2	50.4	50.6	50.8	50.8	50.9	51.0	51.0	51.0	51.0	51.1	51.2
≥ 14000	41.4	46.9	48.6	50.1	51.1	51.2	51.5	51.7	51.7	51.8	51.8	51.8	51.9	51.9	52.0	52.1
≥ 12000	42.7	48.4	50.3	51.8	52.7	52.9	53.2	53.4	53.4	53.5	53.6	53.6	53.6	53.6	53.7	53.8
≥ 10000	44.2	50.3	52.2	53.8	54.8	55.0	55.3	55.5	55.5	55.7	55.7	55.7	55.8	55.8	55.9	55.9
≥ 9000	45.3	52.3	54.4	56.0	57.0	57.2	57.6	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.1	58.2
≥ 8000	46.6	53.5	55.6	57.3	58.3	58.5	58.9	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.5	59.6
≥ 7000	49.7	55.1	57.4	59.1	60.1	60.4	60.8	61.0	61.0	61.2	61.2	61.2	61.3	61.3	61.4	61.5
≥ 6000	49.3	57.1	59.7	61.5	62.6	62.9	63.4	63.6	63.6	63.8	63.9	63.9	64.0	64.0	64.1	64.1
≥ 5000	50.5	58.7	61.4	63.3	64.4	64.8	65.2	65.5	65.5	65.7	65.8	65.8	65.9	65.9	66.0	66.0
≥ 4500	51.7	60.4	63.2	65.2	66.5	66.9	67.4	67.7	67.8	68.0	68.0	68.0	68.1	68.1	68.2	68.3
≥ 4000	52.3	61.8	64.7	66.8	68.1	68.6	69.1	69.5	69.6	69.8	69.8	69.8	69.9	69.9	70.0	70.1
≥ 3500	53.6	62.9	65.9	68.2	69.5	70.0	70.5	71.0	71.0	71.2	71.3	71.3	71.4	71.4	71.5	71.5
≥ 3000	56.1	66.3	69.4	71.8	73.3	73.7	74.4	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.4
≥ 2500	59.7	69.8	73.2	75.9	77.6	78.2	79.0	79.5	79.5	79.8	79.9	79.9	80.0	80.0	80.0	80.1
≥ 2000	61.1	72.8	76.7	79.7	81.9	82.6	83.5	84.2	84.2	84.7	84.7	84.7	84.8	84.8	84.9	85.0
≥ 1800	61.8	73.7	77.8	81.0	83.4	84.1	85.2	85.8	85.9	86.4	86.4	86.4	86.5	86.5	86.6	86.7
≥ 1500	62.2	74.5	78.9	82.3	85.1	86.0	87.5	88.3	88.5	89.1	89.2	89.2	89.3	89.3	89.4	89.5
≥ 1200	62.7	75.2	79.7	83.3	86.2	87.2	88.9	89.9	90.1	90.8	90.9	90.9	91.0	91.0	91.1	91.1
≥ 1000	62.3	75.5	80.1	83.9	86.9	88.1	89.9	91.2	91.4	92.4	92.5	92.5	92.7	92.7	92.8	92.8
≥ 900	63.1	75.8	80.4	84.2	87.3	88.5	90.5	91.9	92.1	93.1	93.2	93.2	93.3	93.3	93.4	93.5
≥ 800	63.1	75.9	80.5	84.4	87.6	88.8	90.9	92.4	92.6	93.8	94.0	94.0	94.1	94.1	94.2	94.3
≥ 700	63.1	76.0	80.6	84.6	87.8	89.2	91.5	93.0	93.2	94.5	94.8	94.8	94.9	94.9	95.0	95.0
≥ 600	63.1	76.2	80.9	85.1	88.5	89.9	92.3	94.0	94.3	95.6	95.9	95.9	96.0	96.0	96.1	96.2
≥ 500	63.1	76.3	81.1	85.5	88.9	90.4	92.9	94.7	95.0	96.4	96.8	96.8	97.1	97.1	97.2	97.3
≥ 400	63.1	76.3	81.1	85.7	89.1	90.7	93.4	95.3	95.6	97.2	97.6	97.6	98.0	98.0	98.1	98.1
≥ 300	63.1	76.3	81.1	85.7	89.2	90.8	93.6	95.6	95.9	97.6	98.0	98.1	98.7	98.7	98.9	99.0
≥ 200	63.1	76.3	81.1	85.7	89.2	90.8	93.6	95.6	95.9	97.7	98.1	98.3	99.0	99.1	99.5	99.6
≥ 100	63.1	76.3	81.1	85.7	89.2	90.8	93.6	95.6	95.9	97.7	98.2	98.3	99.1	99.2	99.7	99.8
≥ 0	63.1	76.3	81.1	85.7	89.2	90.8	93.6	95.6	95.9	97.7	98.2	98.4	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5422

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	45.3	47.3	48.7	50.5	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	47.0	49.3	50.7	52.6	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	47.0	49.3	50.7	52.6	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	47.0	49.3	50.7	52.6	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	47.2	49.5	50.8	52.7	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	48.1	50.5	51.9	53.8	54.0	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	48.5	51.1	52.4	54.6	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	49.2	52.2	53.6	55.8	56.0	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	49.7	52.8	54.3	56.5	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	50.3	53.5	55.2	57.5	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 6000	51.5	55.2	57.3	59.7	59.9	59.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 5000	53.2	57.5	59.7	62.2	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	53.8	58.7	61.1	63.6	63.8	63.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	55.4	61.2	63.7	66.4	66.7	66.7	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5
≥ 3500	56.3	62.4	64.9	67.7	68.3	68.3	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1
≥ 3000	57.4	63.6	66.1	69.5	70.0	70.2	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0
≥ 2500	59.1	66.1	68.7	72.6	73.5	73.7	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5
≥ 2000	61.4	70.0	72.8	76.9	77.8	78.0	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
≥ 1800	62.0	70.8	73.8	78.1	79.2	79.3	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.5	80.5
≥ 1500	62.8	71.8	75.0	79.4	80.5	80.9	81.6	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1
≥ 1200	62.9	71.9	75.7	80.4	81.5	82.0	82.8	83.1	83.1	83.2	83.2	83.2	83.5	83.5	83.6	83.6
≥ 1000	63.2	72.6	76.5	81.7	82.9	83.5	84.7	85.1	85.1	85.5	85.5	85.5	86.0	86.0	86.2	86.3
≥ 900	63.2	72.7	76.6	82.7	83.9	84.4	85.8	86.2	86.2	86.7	86.7	86.7	87.2	87.2	87.4	87.5
≥ 800	63.2	72.8	76.9	82.9	84.1	84.7	86.2	86.6	86.6	87.2	87.2	87.2	87.8	87.8	87.9	88.0
≥ 700	63.2	73.3	77.4	83.6	84.9	85.6	87.1	87.8	87.8	88.4	88.4	89.0	89.3	89.3	89.1	89.2
≥ 600	63.3	73.5	78.0	84.3	85.6	86.3	87.8	88.7	88.7	89.7	89.7	89.7	90.3	90.3	90.5	90.6
≥ 500	63.3	74.2	78.8	85.1	86.4	87.4	89.2	90.5	90.5	92.2	92.2	92.2	93.0	93.0	93.1	93.3
≥ 400	63.3	74.3	78.9	85.8	87.1	88.3	90.5	91.7	91.7	94.0	94.1	94.1	95.3	95.3	95.4	95.7
≥ 300	63.3	74.3	78.9	85.9	87.2	88.6	90.9	92.1	92.2	95.2	95.3	95.3	96.8	96.8	97.0	97.3
≥ 200	63.3	74.3	78.9	85.9	87.2	88.6	90.9	92.1	92.5	95.8	96.2	96.2	98.3	98.3	98.5	98.9
≥ 100	63.3	74.3	78.9	85.9	87.2	88.6	90.9	92.1	92.5	95.8	96.2	96.2	98.4	98.4	98.7	99.9
≥ 0	63.3	74.3	78.9	85.9	87.2	88.6	90.9	92.1	92.5	95.8	96.2	96.2	98.4	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
JULIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72c450 AUSTIN STRAUBEL WI

74-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	39.7	42.9	44.7	45.6	46.1	46.5	46.8	46.8	46.8	47.2	47.2	47.2	47.3	47.3	47.4	47.6
≥ 20000	41.4	45.0	46.2	48.0	48.5	48.9	49.2	49.2	49.2	49.6	49.6	49.6	49.7	49.7	49.9	50.0
≥ 18000	41.4	45.0	46.2	48.0	48.5	48.9	49.2	49.2	49.2	49.6	49.6	49.6	49.7	49.7	49.9	50.0
≥ 16000	41.4	45.0	46.2	48.0	48.5	48.9	49.2	49.2	49.2	49.6	49.6	49.6	49.7	49.7	49.9	50.0
≥ 14000	41.4	45.6	46.8	48.5	49.1	49.5	49.7	49.7	49.7	50.1	50.1	50.1	50.3	50.3	50.4	50.5
≥ 12000	42.5	46.2	47.4	49.2	49.7	50.1	50.4	50.4	50.4	50.8	50.8	50.8	50.9	50.9	51.1	51.2
≥ 10000	43.8	47.7	48.9	50.7	51.2	51.6	51.9	51.9	51.9	52.3	52.3	52.3	52.4	52.4	52.6	52.7
≥ 9000	44.2	48.4	49.6	51.6	52.2	52.6	52.8	52.8	52.8	53.2	53.2	53.2	53.4	53.4	53.5	53.6
≥ 8000	44.4	49.1	50.5	52.6	53.1	53.5	53.8	53.8	53.8	54.2	54.2	54.2	54.3	54.3	54.4	54.6
≥ 7000	45.0	50.4	52.0	54.2	54.7	55.1	55.4	55.4	55.4	55.8	55.8	55.8	55.9	55.9	56.0	56.2
≥ 6000	47.4	52.6	54.3	56.5	57.0	57.4	57.7	57.7	57.7	58.1	58.1	58.1	58.2	58.2	58.3	58.5
≥ 5000	48.3	53.6	55.8	58.1	58.6	59.0	59.3	59.3	59.3	59.7	59.7	59.7	59.8	59.8	59.9	60.1
≥ 4500	49.5	55.1	57.7	60.1	60.6	61.0	61.3	61.3	61.3	61.7	61.7	61.7	61.8	61.8	62.0	62.1
≥ 4000	50.4	56.6	59.3	61.7	62.2	62.6	62.9	62.9	62.9	63.3	63.3	63.3	63.4	63.4	63.6	63.7
≥ 3500	51.9	58.5	61.4	63.8	64.4	64.8	65.1	65.1	65.1	65.5	65.5	65.5	65.6	65.6	65.7	65.9
≥ 3000	53.2	60.3	63.6	66.7	67.2	67.6	67.9	67.9	67.9	68.3	68.3	68.3	68.4	68.4	68.7	68.8
≥ 2500	54.6	62.5	65.9	69.2	70.3	70.7	71.4	71.4	71.4	71.8	71.8	71.8	71.9	71.9	72.2	72.4
≥ 2000	56.9	65.6	69.4	72.8	74.5	74.9	75.9	75.9	75.9	76.3	76.3	76.3	76.6	76.6	76.9	77.2
≥ 1800	57.5	66.4	70.2	73.8	75.4	75.8	77.0	77.0	77.0	77.4	77.4	77.4	77.7	77.7	78.0	78.2
≥ 1500	59.0	68.1	72.3	76.2	77.8	78.2	79.6	79.6	79.6	80.0	80.0	80.0	80.2	80.2	80.5	80.8
≥ 1200	59.3	68.8	73.3	77.7	79.4	80.1	81.5	81.5	81.5	81.9	81.9	81.9	82.1	82.1	82.4	82.7
≥ 1000	59.3	69.2	73.9	78.6	80.4	81.0	82.4	82.4	82.5	82.9	82.9	82.9	83.6	83.6	83.9	84.1
≥ 900	59.3	69.5	74.5	79.3	81.0	81.7	83.1	83.1	83.3	83.7	83.7	83.7	84.4	84.4	84.7	85.2
≥ 800	59.3	70.0	75.1	80.5	82.3	82.9	84.5	84.5	84.8	85.2	85.2	85.2	85.9	85.9	86.2	86.7
≥ 700	59.3	70.6	75.7	81.3	83.1	83.7	85.5	85.6	85.9	86.3	86.3	86.3	87.0	87.0	87.2	87.9
≥ 600	59.5	70.8	75.9	81.9	84.0	84.7	86.8	87.2	87.5	88.0	88.0	88.0	88.7	88.7	89.0	89.7
≥ 500	59.9	71.8	77.2	83.1	85.2	86.3	88.4	89.0	89.2	90.9	90.9	90.9	91.8	91.8	92.1	92.7
≥ 400	59.9	71.8	77.2	83.5	85.6	86.7	89.0	89.7	89.9	91.5	91.8	91.8	93.3	93.3	93.5	94.2
≥ 300	59.9	71.9	77.3	83.6	85.9	87.1	89.8	90.5	90.7	93.0	93.4	93.4	95.2	95.2	95.4	96.1
≥ 200	59.9	71.9	77.3	83.6	86.0	87.2	90.2	91.1	91.4	94.0	94.5	94.5	96.6	96.6	97.3	98.3
≥ 100	59.9	71.9	77.3	83.6	86.0	87.2	90.2	91.1	91.4	94.2	94.8	94.8	97.2	97.3	97.8	99.6
≥ 0	59.9	71.9	77.3	83.6	86.0	87.2	90.2	91.1	91.4	94.2	94.8	94.8	97.2	97.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

MAF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.2	36.7	37.8	39.5	40.1	40.3	41.3	41.8	41.9	42.6	42.9	42.9	43.4	43.4	43.5	44.0
≥ 20000	33.7	39.9	41.1	42.9	44.2	44.6	46.0	46.8	46.9	47.6	47.8	47.8	48.4	48.4	48.5	49.1
≥ 18000	34.0	40.2	41.4	43.1	44.5	44.9	46.2	47.0	47.2	47.8	48.1	48.1	48.7	48.7	48.8	49.3
≥ 16000	34.1	40.2	41.4	43.1	44.5	44.9	46.2	47.0	47.2	47.8	48.1	48.1	48.7	48.7	48.8	49.3
≥ 14000	34.1	40.5	41.7	43.4	44.8	45.2	46.5	47.3	47.4	48.1	48.4	48.4	48.9	48.9	49.1	49.6
≥ 12000	35.1	41.7	42.9	44.6	46.0	46.4	47.7	48.5	48.7	49.3	49.6	49.6	50.1	50.1	50.3	50.8
≥ 10000	36.4	43.1	44.4	46.1	47.4	47.8	49.2	50.0	50.1	50.8	51.1	51.1	51.6	51.6	51.7	52.3
≥ 9000	37.6	44.5	45.7	47.4	48.8	49.2	50.5	51.3	51.5	52.2	52.4	52.4	53.0	53.0	53.1	53.6
≥ 8000	38.3	46.0	47.6	49.3	51.1	51.5	52.8	53.6	53.8	54.4	54.7	54.7	55.2	55.2	55.4	55.9
≥ 7000	39.1	46.9	48.7	50.4	52.6	53.0	54.3	55.1	55.2	55.9	56.2	56.2	56.7	56.7	56.9	57.4
≥ 6000	40.2	48.8	50.9	52.7	54.8	55.2	56.6	57.4	57.5	58.2	58.5	58.5	59.0	59.0	59.1	59.7
≥ 5000	40.6	49.2	51.6	53.6	55.9	56.3	57.7	58.5	58.6	59.3	59.5	59.5	60.1	60.1	60.2	60.8
≥ 4500	41.1	50.1	52.6	54.7	57.0	57.4	58.9	59.8	59.9	60.6	60.9	60.9	61.4	61.4	61.6	62.1
≥ 4000	41.9	51.5	54.0	56.2	58.5	58.9	60.5	61.4	61.6	62.4	62.6	62.6	63.2	63.2	63.3	63.8
≥ 3500	42.2	51.7	54.3	56.5	58.7	59.1	60.8	61.7	61.8	62.6	62.9	62.9	63.4	63.4	63.6	64.1
≥ 3000	43.7	54.3	56.9	59.3	61.6	62.1	63.7	64.9	65.1	65.9	66.1	66.1	66.7	66.8	66.9	67.5
≥ 2500	46.4	58.1	60.6	63.0	65.6	66.3	68.1	69.5	69.6	70.6	70.8	70.8	71.4	71.5	71.6	72.2
≥ 2000	47.7	60.2	63.2	66.0	69.0	69.8	71.8	73.7	73.8	74.7	75.0	75.0	75.5	75.7	75.8	76.3
≥ 1800	49.2	61.8	64.9	67.7	70.8	71.8	74.1	75.9	76.1	77.0	77.3	77.3	77.8	78.0	78.1	78.6
≥ 1500	50.5	64.1	67.2	70.6	73.8	74.7	77.0	78.9	79.0	80.0	80.2	80.2	80.9	81.0	81.3	81.9
≥ 1200	50.8	64.7	67.9	71.2	74.6	75.5	78.0	79.8	80.0	80.9	81.2	81.2	81.9	82.0	82.3	82.8
≥ 1000	50.8	65.2	68.5	72.2	75.5	76.5	79.3	81.3	81.5	82.4	83.1	83.1	83.9	84.0	84.3	84.8
≥ 900	50.9	65.6	69.0	72.7	76.1	77.2	80.1	82.7	82.8	83.7	84.4	84.4	85.2	85.3	85.6	86.2
≥ 800	51.1	65.9	69.2	73.0	76.3	77.4	80.5	83.2	83.3	84.3	84.9	84.9	85.8	85.9	86.2	86.7
≥ 700	51.1	66.8	70.2	73.9	77.4	78.5	81.7	84.5	84.7	85.6	86.3	86.3	87.2	87.4	87.6	88.2
≥ 600	51.3	66.9	70.3	74.5	78.5	79.6	83.1	86.2	86.3	87.2	88.0	88.0	89.0	89.1	89.4	89.9
≥ 500	51.5	67.5	71.2	75.5	79.8	81.5	85.1	89.1	89.2	90.5	91.4	91.4	92.3	92.5	92.7	93.3
≥ 400	51.5	67.5	71.4	75.7	80.0	81.6	85.2	89.4	89.5	90.7	91.9	91.9	93.3	93.4	93.7	94.2
≥ 300	51.5	67.5	71.4	75.7	80.0	81.6	85.3	89.5	89.7	90.9	92.3	92.3	94.1	94.2	94.9	95.4
≥ 200	51.5	67.5	71.4	75.7	80.0	81.6	85.6	89.9	90.1	91.5	93.3	93.3	95.2	96.0	96.9	97.4
≥ 100	51.6	67.6	71.5	75.8	80.1	81.7	85.8	90.1	90.2	91.8	93.5	93.7	95.6	96.4	97.6	99.3
≥ 0	51.6	67.6	71.5	75.8	80.1	81.7	85.8	90.1	90.2	91.8	93.5	93.7	95.6	96.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726401  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	26.7	33.7	34.8	35.6	37.4	37.5	38.6	39.5	39.5	40.1	40.1	40.1	40.2	40.2	40.2	40.2
≥ 20000	40.2	40.3	41.8	42.9	45.0	45.2	46.2	47.2	47.2	47.7	47.7	47.7	47.8	47.8	47.8	47.8
≥ 18000	40.4	40.5	41.9	43.0	45.2	45.3	46.4	47.3	47.3	47.8	47.8	47.8	48.0	48.0	48.0	48.0
≥ 16000	40.4	40.5	41.9	43.0	45.2	45.3	46.4	47.3	47.3	47.8	47.8	47.8	48.0	48.0	48.0	48.0
≥ 14000	40.6	41.0	42.5	43.5	45.7	46.5	47.0	48.0	48.0	48.5	48.5	48.5	48.7	48.7	48.7	48.7
≥ 12000	31.2	41.9	43.5	44.6	46.9	47.2	48.3	49.2	49.2	49.7	49.7	49.7	49.9	49.9	49.9	49.9
≥ 10000	31.7	42.9	44.9	46.0	48.3	48.5	49.6	50.5	50.5	51.1	51.1	51.1	51.2	51.2	51.2	51.2
≥ 9000	32.5	44.1	46.2	47.6	49.9	50.1	51.2	52.2	52.2	52.7	52.7	52.7	52.8	52.8	52.8	52.8
≥ 8000	33.1	44.8	46.9	48.3	50.7	50.9	52.0	53.0	53.0	53.5	53.5	53.5	53.6	53.6	53.6	53.6
≥ 7000	33.9	46.3	48.1	49.6	52.4	52.7	53.8	54.8	54.8	55.4	55.4	55.4	55.5	55.5	55.5	55.5
≥ 6000	35.1	47.6	49.7	51.2	54.2	54.4	55.5	56.6	56.6	57.1	57.1	57.1	57.3	57.3	57.3	57.3
≥ 5000	36.2	49.2	51.5	53.0	56.0	56.3	57.4	58.5	58.5	59.0	59.0	59.0	59.1	59.1	59.1	59.1
≥ 4500	37.1	50.1	52.4	53.9	57.1	57.4	58.7	59.9	59.9	60.5	60.5	60.5	60.6	60.6	60.6	60.6
≥ 4000	37.6	51.6	53.9	55.5	58.7	59.0	60.3	61.6	61.6	62.1	62.1	62.1	62.2	62.2	62.2	62.2
≥ 3500	38.0	52.3	54.6	56.3	59.7	59.9	61.3	62.5	62.5	63.0	63.0	63.0	63.2	63.2	63.2	63.2
≥ 3000	40.1	54.8	57.1	59.1	62.6	62.9	64.2	65.6	65.6	66.1	66.1	66.1	66.3	66.3	66.3	66.3
≥ 2500	43.0	59.0	61.7	63.7	67.2	67.5	69.0	70.3	70.3	70.8	70.8	70.8	71.0	71.0	71.0	71.0
≥ 2000	45.7	63.2	66.1	68.5	72.8	73.4	74.9	76.5	76.5	77.0	77.0	77.0	77.2	77.2	77.2	77.2
≥ 1800	46.6	64.1	67.2	69.6	74.3	75.0	76.6	78.2	78.2	78.8	78.8	78.8	78.9	78.9	78.9	78.9
≥ 1500	47.0	65.1	68.4	70.8	76.2	76.9	78.8	80.5	80.5	81.0	81.0	81.0	81.2	81.2	81.2	81.2
≥ 1200	47.6	67.2	70.8	73.7	79.4	80.4	82.3	84.1	84.1	84.7	84.7	84.7	84.8	84.8	84.9	84.9
≥ 1000	47.6	67.7	71.5	74.7	80.6	81.6	83.7	85.9	86.0	86.7	86.7	86.7	86.8	86.8	87.0	87.0
≥ 900	47.8	67.9	71.9	75.3	81.2	82.1	84.3	86.7	87.0	87.8	87.8	87.8	87.9	87.9	88.0	88.0
≥ 800	48.0	68.3	72.4	75.8	81.9	82.9	85.2	87.6	87.9	88.7	88.7	88.7	88.8	88.8	89.0	89.0
≥ 700	48.3	69.0	73.4	76.7	83.1	84.3	86.6	89.0	89.2	90.2	90.2	90.2	90.3	90.3	90.5	90.5
≥ 600	48.3	69.0	73.4	76.7	83.2	84.4	87.2	90.1	90.3	91.4	91.5	91.5	91.7	91.7	91.8	91.8
≥ 500	48.3	69.0	73.4	77.3	83.7	85.6	88.4	91.5	91.8	93.1	93.7	93.7	94.0	94.0	94.1	94.1
≥ 400	48.3	69.0	73.8	77.3	83.7	85.8	88.8	92.5	92.7	94.1	94.8	94.8	95.3	95.3	95.4	95.4
≥ 300	48.3	69.0	73.8	77.3	83.7	85.8	89.0	93.0	93.3	94.9	96.4	96.4	97.2	97.4	97.6	97.6
≥ 200	48.3	69.0	73.8	77.3	83.7	85.8	89.0	93.0	93.3	94.9	96.6	96.6	97.7	98.0	98.4	98.4
≥ 100	48.3	69.0	73.8	77.3	83.7	85.8	89.0	93.0	93.3	94.9	96.6	96.6	98.1	98.4	98.9	100.0
≥ 0	48.3	69.0	73.8	77.3	83.7	85.8	89.0	93.0	93.3	94.9	96.6	96.6	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

MA

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	28.6	34.3	35.9	36.7	37.9	37.9	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	32.3	40.6	43.7	44.1	45.3	45.3	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	32.3	40.6	43.0	44.1	45.3	45.3	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	32.4	40.7	43.1	44.2	45.4	45.4	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	32.9	41.4	43.8	44.9	46.2	46.2	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 12000	33.2	42.2	44.6	45.7	47.0	47.0	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 10000	34.5	44.5	46.9	48.0	49.3	49.3	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 9000	35.3	45.4	47.8	49.1	50.4	50.4	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	36.4	46.9	49.3	50.5	51.9	51.9	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	37.6	48.7	51.1	52.4	53.8	53.9	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 6000	38.7	50.5	53.0	54.3	55.6	55.8	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 5000	39.8	52.3	54.7	56.0	57.9	58.1	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	40.9	53.6	56.0	57.4	59.5	59.7	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000	42.2	55.6	58.1	59.5	61.7	61.8	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3500	43.7	57.4	59.8	61.3	63.6	63.7	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000	46.7	60.3	62.9	64.8	67.2	67.3	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	50.9	66.5	69.4	71.5	73.9	74.2	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	53.8	69.4	72.7	75.5	78.4	78.6	79.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1800	53.8	70.6	74.2	77.0	80.2	80.5	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	54.4	72.0	76.1	79.2	82.7	83.3	84.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	55.2	73.3	77.3	80.4	84.0	84.7	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	55.2	73.4	77.4	80.8	84.5	85.2	86.6	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	55.3	74.1	78.1	81.5	85.2	85.9	87.4	89.1	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	56.0	74.5	78.5	82.0	85.8	86.6	88.0	89.8	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	56.0	75.0	79.3	83.1	87.2	88.0	89.8	91.7	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	56.0	75.0	79.4	83.5	87.8	88.7	90.7	92.6	92.9	93.3	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	56.0	75.0	79.6	83.7	88.0	89.3	91.0	93.0	93.3	94.2	95.0	95.0	95.0	95.0	95.2	95.2
≥ 400	56.0	75.0	79.6	83.7	88.0	89.1	91.1	93.1	93.4	94.9	96.4	96.4	96.9	96.9	97.0	97.0
≥ 300	56.0	75.0	79.6	83.7	88.0	89.1	91.1	93.5	94.2	95.8	97.7	97.7	98.3	98.5	98.9	98.9
≥ 200	56.0	75.0	79.6	83.7	88.0	89.1	91.1	93.5	94.2	96.0	97.8	97.8	98.4	98.7	99.3	99.3
≥ 100	56.0	75.0	79.6	83.7	88.0	89.1	91.1	93.5	94.2	96.0	97.8	98.0	98.5	98.8	99.6	100.0
≥ 0	56.0	75.0	79.6	83.7	88.0	89.1	91.1	93.5	94.2	96.0	97.8	98.0	98.5	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
ADDITIONAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

72645  
STATION

AUSTIN STRAUBEL #1  
STATION NAME

74-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	35.1	40.3	41.1	41.9	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 20000	40.1	47.6	48.9	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	40.1	47.6	48.9	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000	40.1	47.6	48.9	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	41.1	48.7	50.1	51.5	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	41.1	48.7	50.1	51.5	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 10000	41.1	50.1	51.6	53.1	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	42.6	51.1	52.6	54.0	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 8000	44.1	53.5	55.1	56.5	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	44.1	54.6	56.2	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	46.6	56.6	58.5	59.9	60.8	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 5000	47.0	57.1	59.1	60.6	61.6	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4500	48.9	59.3	61.3	62.8	63.7	64.1	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	50.1	60.6	62.6	64.1	65.1	65.5	65.5	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500	51.6	62.6	64.7	66.1	67.1	67.5	67.5	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	53.6	65.7	67.9	69.5	70.6	71.1	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 2500	56.6	69.8	71.9	73.8	74.9	75.4	75.5	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	57.3	72.7	75.1	77.6	78.8	79.3	79.4	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	58.6	73.7	76.1	78.8	80.0	80.6	80.8	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	59.3	75.9	78.5	82.0	83.7	84.8	85.1	85.5	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	59.4	76.6	79.2	82.8	84.7	85.8	86.2	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	59.7	77.3	80.2	83.9	85.8	86.8	87.6	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	59.8	78.0	81.0	84.7	86.6	87.6	89.1	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	59.8	78.0	81.0	84.7	86.6	87.9	89.4	90.2	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	59.8	78.0	81.3	85.5	87.9	89.1	90.9	91.7	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	59.8	78.0	81.5	85.8	88.6	89.9	91.8	92.9	93.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	59.8	78.0	81.5	85.8	88.8	90.2	92.1	93.4	94.0	95.4	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	59.8	78.0	81.5	85.8	89.1	90.7	92.6	94.0	94.5	96.2	97.0	97.0	97.4	97.4	97.4	97.4
≥ 300	59.8	78.0	81.5	85.8	89.1	90.7	92.6	94.2	94.8	96.6	97.8	97.8	98.5	98.7	98.7	98.7
≥ 200	59.8	78.0	81.5	85.8	89.1	90.7	92.6	94.2	94.8	96.8	98.0	98.1	98.9	99.2	99.2	99.2
≥ 100	59.8	78.0	81.5	85.8	89.1	90.7	92.6	94.2	94.8	96.8	98.0	98.3	99.2	99.7	100.0	100.0
≥ 0	59.8	78.0	81.5	85.8	89.1	90.7	92.6	94.2	94.8	96.8	98.0	98.3	99.2	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72643

AUSTIN STRAUBEL #1

74-81

MAP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1950-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	37.4	41.7	43.1	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	-2.3	47.6	49.2	50.7	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	-2.3	47.6	49.2	50.7	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	-2.3	47.6	49.2	50.7	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	42.5	48.3	51.1	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 12000	43.1	49.3	51.9	53.4	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	44.0	50.5	53.2	54.7	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000	44.6	51.3	54.0	55.6	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	45.7	52.8	55.5	57.1	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	47.1	54.3	57.1	58.7	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 6000	49.2	57.1	60.3	62.1	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	52.1	60.3	63.7	65.6	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	52.6	61.1	64.4	66.4	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	53.2	61.8	65.2	67.5	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	54.2	63.6	66.9	69.2	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	56.0	65.9	69.2	71.8	72.4	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	59.0	69.5	72.8	75.4	76.1	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 2000	59.5	70.6	74.6	78.0	79.0	80.0	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1800	59.7	70.8	74.9	78.6	79.7	80.6	81.0	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	60.5	71.9	76.6	80.5	81.6	82.7	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	60.5	72.4	77.8	81.7	82.9	84.1	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000	60.8	73.0	78.5	82.5	83.7	85.1	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	61.0	73.4	79.3	83.9	85.2	86.7	87.6	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	61.0	73.4	79.4	84.1	86.3	87.8	88.8	89.5	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	61.0	73.8	80.6	85.6	87.8	89.2	90.6	91.3	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 600	61.0	73.8	80.6	86.0	88.6	90.2	91.7	92.9	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	61.0	73.8	81.2	87.0	89.5	91.4	92.9	94.8	95.0	96.2	96.5	96.5	96.5	96.5	96.6	96.6
≥ 400	61.0	73.8	81.2	87.0	89.5	91.5	93.1	95.3	95.6	96.8	97.4	97.4	97.4	97.4	97.6	97.6
≥ 300	61.0	73.8	81.2	87.0	89.5	91.5	93.1	96.0	96.2	97.4	98.5	98.5	98.7	98.7	98.8	98.8
≥ 200	61.0	73.8	81.2	87.0	89.5	91.5	93.1	96.0	96.2	97.4	98.7	98.7	98.9	98.9	99.1	99.1
≥ 100	61.0	73.8	81.2	87.0	89.5	91.5	93.1	96.0	96.2	97.4	98.7	98.7	99.1	99.1	99.2	99.6
≥ 0	61.0	73.8	81.2	87.0	89.5	91.5	93.1	96.0	96.2	97.4	98.7	98.7	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



LOCAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAD

# CEILING VERSUS VISIBILITY

725450 ARSTIN STRAUBEL WI

74-81

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.7	44.8	46.4	48.0	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	46.7
≥ 20000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 9000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 6000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 5000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4500	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3500	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 2500	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 2000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 1800	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 1500	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 1200	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 1000	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 900	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 800	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 700	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 600	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 500	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 400	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 300	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 200	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 100	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 50	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20	44.5	44.5	50.1	51.9	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

701451  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	35.7	40.2	41.5	42.7	43.4	43.5	43.9	44.2	44.2	44.4	44.4	44.4	44.4	44.5	44.5	44.6
≥ 18000	35.9	44.9	46.4	47.9	48.7	48.9	49.4	49.6	49.6	49.8	49.9	49.9	49.9	50.0	50.0	50.1
≥ 16000	39.0	44.9	46.4	48.0	48.8	48.9	49.4	49.7	49.7	49.9	49.9	49.9	49.9	50.0	50.0	50.1
≥ 14000	39.0	44.9	46.5	48.0	48.8	49.0	49.4	49.7	49.7	49.9	49.9	49.9	49.9	50.0	50.1	50.2
≥ 12000	39.4	45.4	47.1	48.5	49.4	49.6	50.0	50.3	50.3	50.5	50.5	50.5	50.5	50.6	50.7	50.8
≥ 10000	40.0	46.4	48.1	49.6	50.5	50.7	51.1	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.8	51.9
≥ 8000	41.9	47.5	49.3	50.9	51.8	52.0	52.5	52.7	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.2
≥ 6000	41.8	48.5	50.3	52.0	52.9	53.1	53.6	53.8	53.8	54.0	54.1	54.1	54.2	54.2	54.2	54.3
≥ 4000	42.4	49.8	51.7	53.4	54.4	54.6	55.0	55.3	55.3	55.5	55.5	55.5	55.6	55.6	55.7	55.8
≥ 2000	43.4	51.1	53.0	54.9	56.0	56.2	56.7	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.4
≥ 1000	45.0	53.1	55.3	57.2	58.3	58.5	59.0	59.3	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.8
≥ 500	46.3	54.7	57.1	59.1	60.3	60.6	61.1	61.4	61.4	61.6	61.6	61.6	61.7	61.7	61.8	61.9
≥ 450	47.2	56.0	58.5	60.6	61.9	62.1	62.7	63.1	63.1	63.3	63.3	63.3	63.4	63.4	63.5	63.5
≥ 400	48.3	57.5	60.1	62.3	63.6	63.8	64.4	64.8	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.4
≥ 350	49.2	58.8	61.4	63.6	65.0	65.3	65.9	66.3	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.8
≥ 300	51.1	61.2	63.9	66.6	68.0	68.4	69.0	69.4	69.5	69.7	69.7	69.7	69.8	69.9	69.9	70.0
≥ 250	53.6	64.8	67.7	70.5	72.2	72.6	73.4	73.9	73.9	74.2	74.2	74.2	74.3	74.3	74.4	74.5
≥ 200	55.4	67.6	70.9	74.2	76.2	76.7	77.6	78.2	78.3	78.6	78.6	78.6	78.7	78.7	78.8	78.9
≥ 1800	56.1	68.5	71.8	75.3	77.5	78.0	79.0	79.7	79.7	80.0	80.0	80.0	80.2	80.2	80.2	80.3
≥ 1500	56.7	69.9	73.6	77.4	79.8	80.5	81.5	82.2	82.3	82.6	82.6	82.6	82.8	82.8	82.9	83.0
≥ 1200	57.2	70.6	74.6	78.6	81.1	81.9	83.1	83.8	83.9	84.2	84.3	84.3	84.4	84.5	84.6	84.7
≥ 1000	57.3	71.1	75.4	79.6	82.2	83.0	84.4	85.3	85.4	85.9	86.0	86.0	86.2	86.3	86.4	86.5
≥ 900	57.5	71.5	75.9	80.4	83.0	83.9	85.5	86.6	86.7	87.2	87.3	87.3	87.6	87.6	87.7	87.9
≥ 800	57.5	71.7	76.2	80.9	83.6	84.5	86.3	87.4	87.6	88.2	88.3	88.3	88.6	88.6	88.7	88.9
≥ 700	57.6	72.2	76.9	81.8	84.7	85.7	87.6	88.9	89.1	89.8	89.9	89.9	90.2	90.2	90.3	90.5
≥ 600	57.7	72.3	77.1	82.3	85.5	86.5	88.6	90.2	90.4	91.3	91.5	91.5	91.8	91.8	91.9	92.1
≥ 500	57.7	72.6	77.6	83.0	86.2	87.5	89.7	91.7	92.0	93.3	93.8	93.8	94.2	94.2	94.3	94.5
≥ 400	57.7	72.6	77.7	83.2	86.5	88.0	90.3	92.4	92.7	94.3	95.0	95.0	95.7	95.7	95.9	96.1
≥ 300	57.7	72.7	77.7	83.3	86.6	88.1	90.5	92.9	93.2	95.1	96.2	96.2	97.1	97.2	97.4	97.6
≥ 200	57.7	72.7	77.7	83.3	86.6	88.2	90.6	93.0	93.4	95.5	96.7	96.8	97.9	98.1	98.5	98.7
≥ 100	57.7	72.7	77.7	83.3	86.7	88.2	90.6	93.1	93.4	95.5	96.8	96.9	98.1	98.4	98.9	99.7
≥ 0	57.7	72.7	77.7	83.3	86.7	88.2	90.6	93.1	93.4	95.5	96.8	96.9	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72645  
STATION

AUSTIN STRAUBEL #1  
STATION NAME

74-81  
YEARS

APS  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	47.1 49.2	49.3 51.7	49.6 51.9	49.6 52.1	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4	49.9 52.4
IV 18000 IV 16000	49.3 49.6	51.8 52.1	52.1 52.4	52.2 52.5	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8	52.5 52.8
IV 14000 IV 12000	50.3 51.4	52.9 54.2	53.2 54.4	53.3 54.6	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9	53.6 54.9
IV 10000 IV 9000	53.1 55.6	55.8 58.3	56.5 59.2	56.7 59.7	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0	56.9 60.0
IV 8000 IV 7000	57.2 59.4	60.1 62.5	61.0 63.6	61.5 64.9	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1	61.8 65.1
IV 6000 IV 5000	61.8 64.3	64.9 67.4	66.7 68.6	67.2 69.9	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1	67.5 70.1
IV 4500 IV 4000	65.1 66.4	68.8 70.7	70.3 72.4	71.5 73.8	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0	71.8 74.0
IV 3500 IV 3000	69.8 71.1	72.9 75.6	74.6 77.4	76.0 78.8	76.3 79.3	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0	76.3 79.0
IV 2500 IV 2000	73.6 75.7	78.9 81.5	81.0 83.6	82.4 85.3	82.6 85.6	82.6 85.6	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7	82.6 85.7
IV 1800 IV 1500	76.4 77.4	82.5 83.8	84.6 86.0	86.3 87.6	86.5 87.9	86.5 88.1	86.7 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2	86.8 88.2
IV 1200 IV 1000	79.1 79.2	84.9 85.4	87.2 88.3	88.9 90.1	89.2 90.4	89.3 90.7	89.6 91.0	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1
IV 900 IV 800	78.6 73.6	86.0 86.3	89.0 89.6	90.8 91.4	91.1 91.9	91.5 92.4	91.9 92.8	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9	92.1 92.9
IV 700 IV 600	74.8 76.8	86.5 86.7	90.4 90.7	92.4 93.2	93.2 94.2	93.6 94.6	94.0 95.0	94.2 95.1	94.2 95.1	94.2 95.1	94.2 95.3	94.2 95.3	94.2 95.3	94.2 95.3	94.2 95.3	94.2 95.3
IV 500 IV 400	74.8 78.9	87.2 87.4	91.5 91.8	94.2 95.0	95.4 96.3	96.1 96.9	96.5 97.5	97.1 98.1	97.1 98.1	97.1 98.1	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2
IV 300 IV 200	78.9 78.9	87.5 87.5	91.9 91.9	95.3 95.4	96.5 96.8	97.2 97.5	97.9 98.2	98.5 99.0	98.5 99.0	98.6 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4
IV 100 IV 0	78.9 78.9	87.5 87.5	91.9 91.9	95.4 95.4	96.8 96.8	97.5 97.5	98.2 98.2	99.2 99.2	99.2 99.2	99.3 99.3	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	43.1	46.1	46.5	46.8	45.9	47.1	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	45.4	48.6	49.7	49.4	49.6	49.9	50.0	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	45.6	48.8	49.2	49.6	49.7	50.0	50.1	50.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	45.6	48.8	49.2	49.6	49.7	50.0	50.1	50.1	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	45.5	49.7	50.1	50.6	50.7	51.0	51.1	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 12000	45.3	51.7	52.1	52.5	52.6	52.9	53.1	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	50.3	54.2	54.6	55.1	55.4	55.7	55.8	55.8	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	52.6	57.1	57.5	58.2	58.5	59.0	59.2	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 8000	54.2	58.8	59.3	60.0	60.3	60.8	61.1	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000	56.7	61.7	62.2	63.1	63.3	63.9	64.2	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	59.6	65.0	65.6	66.5	66.8	67.4	67.8	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	61.4	67.4	68.1	69.0	69.3	69.9	70.3	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	62.6	68.9	69.6	70.6	70.8	71.4	71.8	71.8	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000	64.6	71.0	71.7	72.6	72.9	73.5	73.9	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	66.1	72.5	73.2	74.2	74.6	75.1	75.6	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	68.2	75.3	76.0	76.9	77.4	77.9	78.3	78.3	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2500	69.3	77.1	77.8	78.8	79.2	79.7	80.1	80.1	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	72.1	80.1	80.8	82.2	82.6	83.2	83.6	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	72.3	80.6	81.3	82.6	83.1	83.6	84.0	84.0	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500	73.1	81.9	82.9	84.3	84.7	85.3	85.7	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	74.4	83.9	85.1	86.7	87.1	87.6	88.1	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	75.1	84.7	86.0	87.8	88.3	89.2	89.7	90.0	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	75.1	84.9	86.3	88.3	89.0	90.0	90.7	91.0	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	75.4	85.1	86.5	88.6	89.3	90.4	91.1	91.5	91.5	91.9	92.1	92.1	92.1	92.1	92.1	92.1
≥ 700	75.4	85.4	87.4	89.4	91.1	92.4	93.2	93.6	93.6	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	75.6	86.1	88.2	90.7	92.5	93.8	94.7	95.6	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	75.6	86.3	88.5	91.5	93.5	94.7	95.7	96.5	96.5	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	75.6	86.4	88.6	91.8	93.8	95.0	96.4	97.2	97.2	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	75.6	86.4	88.6	91.8	93.8	95.0	96.4	97.4	97.4	98.3	98.5	98.5	98.5	98.5	98.6	98.6
≥ 200	75.6	86.4	88.6	91.8	93.8	95.3	96.7	97.6	97.6	98.8	98.9	98.9	99.0	99.0	99.2	99.3
≥ 100	75.6	86.4	88.6	91.8	93.8	95.3	96.7	97.6	97.6	98.8	98.9	98.9	99.0	99.0	99.6	100.0
≥ 0	75.6	86.4	88.6	91.8	93.8	95.3	96.7	97.6	97.6	98.8	98.9	98.9	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

2  
JULIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

721450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

APP

MONTH  
600-0800  
HOURS (L.G.T.)

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	34.9	39.6	40.8	41.1	41.8	41.9	42.4	42.8	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.5
≥ 20000	39.2	45.3	46.7	46.9	48.1	48.3	49.0	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.6
≥ 18000	38.2	45.3	46.7	46.9	48.1	48.3	49.0	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.6
≥ 16000	38.2	45.3	46.7	46.9	48.1	48.3	49.0	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.6
≥ 14000	38.3	46.3	47.6	47.9	49.0	49.3	50.0	50.8	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.5
≥ 12000	38.8	47.2	48.6	48.9	50.0	50.3	51.0	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.5
≥ 10000	40.3	49.0	50.4	50.7	51.8	52.1	52.8	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.3
≥ 9000	42.1	51.1	52.5	52.8	53.9	54.2	54.9	55.7	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.7
≥ 8000	43.5	53.2	54.6	54.9	56.0	56.3	56.9	57.8	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.8
≥ 7000	46.1	55.6	57.1	57.4	58.6	58.9	59.6	60.4	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.4
≥ 6000	48.5	58.3	60.0	60.3	61.5	61.8	62.5	63.3	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.3
≥ 5000	50.3	61.1	62.9	63.3	64.7	65.0	65.8	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥ 4500	51.3	62.5	64.3	65.1	66.7	67.1	67.9	68.8	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.7
≥ 4000	52.3	64.3	66.1	66.9	68.6	69.2	70.0	70.8	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.8
≥ 3500	53.9	65.7	67.6	68.6	70.3	70.8	71.7	72.5	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.5
≥ 3000	55.0	67.1	69.3	70.3	72.1	72.6	73.6	74.4	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.6
≥ 2500	56.3	68.8	71.0	71.9	73.9	74.6	75.7	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.6
≥ 2000	59.6	72.4	74.6	75.6	77.5	78.2	79.6	80.4	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.7
≥ 1800	60.8	73.6	75.8	76.8	78.8	79.4	80.8	81.7	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.9
≥ 1500	62.1	75.0	77.2	78.2	80.1	80.8	82.4	83.3	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.7
≥ 1200	62.5	75.6	78.1	79.0	81.0	81.8	83.5	84.7	85.6	85.8	85.8	85.8	85.8	85.8	85.8	86.1
≥ 1000	63.8	77.1	79.7	80.7	82.8	84.0	86.1	87.5	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.9
≥ 900	64.2	77.6	80.4	81.4	83.6	84.9	87.1	88.5	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.9
≥ 800	64.2	77.6	80.4	81.5	83.8	85.1	87.4	88.9	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.4
≥ 700	64.2	77.8	80.8	82.2	84.6	86.4	88.6	90.4	91.3	91.8	91.8	91.8	91.8	91.9	91.9	92.2
≥ 600	64.2	77.8	81.1	82.8	85.4	87.4	89.7	91.8	92.6	93.5	93.5	93.5	93.8	93.8	93.8	94.0
≥ 500	64.2	78.1	81.3	83.3	86.1	88.5	91.1	93.5	94.4	95.3	95.4	95.4	95.4	95.7	95.7	96.0
≥ 400	64.2	78.3	81.5	83.8	86.9	89.6	92.4	95.1	96.1	96.9	97.1	97.1	97.1	97.5	97.5	97.8
≥ 300	64.2	78.3	81.5	83.8	86.9	89.6	92.4	95.4	96.7	97.8	98.2	98.2	98.2	98.9	98.9	99.3
≥ 200	64.2	78.3	81.5	83.8	86.9	89.6	92.4	95.4	96.7	97.8	98.2	98.2	98.2	98.9	98.9	99.9
≥ 100	64.2	78.3	81.5	83.8	86.9	89.6	92.4	95.4	96.7	97.8	98.2	98.2	98.2	98.9	98.9	100.0
≥ 0	64.2	78.3	81.5	83.8	86.9	89.6	92.4	95.4	96.7	97.8	98.2	98.2	98.2	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	35.4	40.1	40.7	41.9	42.2	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	39.2	46.3	47.1	48.6	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	39.2	46.3	47.1	48.6	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	39.2	46.3	47.1	48.6	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	39.6	46.7	47.5	49.0	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	40.3	47.8	48.8	50.4	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	41.5	48.3	50.4	52.1	52.6	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 9000	42.1	50.0	51.3	52.9	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 8000	43.3	51.4	52.8	54.4	55.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000	44.0	52.5	53.9	56.0	56.9	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 6000	45.3	55.3	56.8	58.9	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 5000	47.3	57.6	59.6	61.7	62.8	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 4500	49.3	59.0	61.1	63.2	64.3	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4000	50.3	60.4	62.8	64.9	66.0	66.0	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3500	51.9	61.9	64.3	66.4	67.5	67.5	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 3000	54.6	65.6	68.2	70.3	71.4	71.4	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 2500	57.8	69.3	71.9	74.0	75.1	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2000	61.3	73.5	76.4	78.8	79.9	80.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800	62.6	75.0	77.9	80.3	81.4	81.7	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1500	64.2	76.9	80.0	82.5	83.8	84.2	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1200	64.9	78.5	81.8	84.3	86.0	86.4	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	65.3	80.1	83.9	86.5	88.6	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	65.4	80.6	84.3	87.1	89.3	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 800	65.4	80.6	84.3	87.1	89.7	90.7	91.4	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 700	65.6	81.3	85.0	87.8	90.6	91.8	92.6	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 600	65.6	81.1	85.3	88.2	91.3	92.5	93.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 500	65.6	81.4	85.8	88.8	91.9	93.8	94.7	96.0	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8
IV 400	65.6	81.4	85.8	88.8	92.1	94.2	95.1	96.4	96.7	97.4	97.6	97.6	97.8	97.8	97.8	97.8
IV 300	65.6	81.4	85.8	88.8	92.5	94.6	95.7	97.8	98.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6
IV 200	65.6	81.4	85.8	88.8	92.5	94.6	95.7	97.9	98.2	99.0	99.6	99.6	99.6	100.0	100.0	100.0
IV 100	65.6	81.4	85.8	88.8	92.5	94.6	95.7	97.9	98.2	99.0	99.6	99.6	99.6	100.0	100.0	100.0
IV 0	65.6	81.4	85.8	88.8	92.5	94.6	95.7	97.9	98.2	99.0	99.6	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	38.3	41.2	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	44.2	47.8	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2
≥ 18000	44.3	47.9	48.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3
≥ 16000	44.3	47.9	48.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3
≥ 14000	44.4	48.6	49.2	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0
≥ 12000	45.6	49.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8
≥ 10000	46.6	51.5	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9
≥ 9000	47.5	52.8	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2
≥ 8000	48.3	53.8	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3
≥ 7000	49.2	55.1	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4
≥ 6000	51.7	58.3	59.6	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
≥ 5000	53.2	61.0	62.5	63.2	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6
≥ 4500	55.1	62.9	64.6	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 4000	57.6	65.7	67.5	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
≥ 3500	59.7	67.9	69.9	71.0	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 3000	62.5	71.0	72.9	74.0	74.7	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3
≥ 2500	65.1	74.0	76.5	77.6	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
≥ 2000	69.2	78.9	81.9	83.2	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6
≥ 1800	70.4	80.4	83.5	84.7	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥ 1500	71.4	82.1	85.7	87.4	88.1	88.3	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.0
≥ 1200	71.5	83.3	87.1	88.9	89.7	90.0	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥ 1000	71.7	84.2	87.9	90.0	91.3	91.7	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
≥ 900	71.7	84.7	88.6	90.8	92.2	92.9	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
≥ 800	71.7	84.9	89.3	91.5	93.1	93.8	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
≥ 700	71.7	85.0	89.3	91.8	93.5	94.2	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3
≥ 600	71.7	85.1	89.6	92.5	94.3	95.1	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 500	71.7	85.1	89.6	92.5	94.4	95.7	96.8	97.1	97.2	97.6	97.6	97.6	97.6	97.8	97.8	97.9
≥ 400	71.7	85.1	89.6	92.5	94.4	95.7	96.9	97.6	97.8	98.3	98.5	98.5	99.0	99.0	99.0	99.2
≥ 300	71.7	85.1	89.6	92.5	94.4	95.7	96.9	97.6	97.8	98.3	98.6	98.6	99.3	99.3	99.3	99.4
≥ 200	71.7	85.1	89.6	92.5	94.4	95.7	96.9	97.6	97.8	98.3	98.6	98.6	99.3	99.4	99.4	99.6
≥ 100	71.7	85.1	89.6	92.5	94.4	95.7	96.9	97.6	97.8	98.3	98.6	98.6	99.3	99.6	99.7	100.0
≥ 0	71.7	85.1	89.6	92.5	94.4	95.7	96.9	97.6	97.8	98.3	98.6	98.6	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

728437  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AP7  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	36.7	39.7	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	42.1	46.8	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	42.1	46.8	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000	42.1	46.8	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	42.3	47.8	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	43.3	48.3	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 10000	46.5	52.2	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 9000	48.1	54.4	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	50.0	56.7	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 7000	51.3	58.1	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 6000	54.3	61.8	63.6	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	57.2	65.6	67.5	68.1	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	59.3	67.6	69.6	70.1	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	62.5	71.5	73.6	74.2	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	65.3	74.7	76.9	77.5	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	66.9	76.5	78.9	79.4	80.0	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	68.6	79.0	81.4	81.9	82.5	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2000	71.7	82.8	85.3	86.0	86.8	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	72.4	83.6	86.1	87.1	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	72.8	84.3	86.9	88.2	89.0	89.2	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	72.9	85.3	88.1	89.4	90.3	90.6	90.6	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	73.5	86.0	88.8	90.1	91.0	91.8	91.8	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	73.5	86.8	89.7	91.4	92.4	93.2	93.3	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	73.5	86.9	90.1	91.9	93.2	94.0	94.3	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	73.5	87.4	90.7	92.5	93.8	94.6	95.1	96.0	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	73.5	87.4	90.8	92.9	94.2	95.1	96.1	96.9	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	73.5	87.4	91.0	93.2	94.6	95.7	96.8	97.8	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	73.5	87.4	91.0	93.2	94.6	95.7	97.1	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	73.5	87.4	91.0	93.2	94.6	95.7	97.4	98.5	98.5	98.8	99.0	99.0	99.7	99.7	99.7	99.7
≥ 200	73.5	87.4	91.0	93.2	94.6	95.7	97.4	98.5	98.5	98.8	99.0	99.0	99.7	99.7	99.7	99.7
≥ 100	73.5	87.4	91.0	93.2	94.6	95.7	97.4	98.5	98.5	98.8	99.0	99.0	99.9	99.9	100.0	100.0
≥ 0	73.5	87.4	91.0	93.2	94.6	95.7	97.4	98.5	98.5	98.8	99.0	99.0	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.6	44.7	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6
≥ 20000	44.9	50.0	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	44.9	50.0	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 16000	44.9	50.0	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
≥ 14000	46.3	51.1	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	47.8	52.9	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	48.9	54.4	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	51.5	57.9	59.4	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	52.3	59.6	61.3	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4
≥ 7000	55.3	61.1	63.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	58.1	65.6	67.9	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000	61.7	69.7	72.5	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	64.1	72.4	75.1	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	65.6	74.2	77.1	78.2	78.5	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	65.8	74.7	77.6	78.9	79.2	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	67.8	76.7	79.6	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	70.6	80.0	82.9	84.3	84.7	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2000	72.5	82.2	85.6	87.2	87.6	88.2	88.2	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1800	73.1	82.8	86.3	87.9	88.3	88.9	88.9	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	73.9	83.8	87.5	89.3	89.7	90.3	90.3	90.7	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	74.3	84.4	88.2	90.0	90.4	91.0	91.0	91.5	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	74.7	85.0	88.8	90.6	91.1	91.7	91.7	92.2	92.2	92.2	92.4	92.6	92.6	92.6	92.6	92.6
≥ 900	74.7	85.4	89.3	91.1	91.7	92.2	92.2	92.8	92.8	92.8	92.9	93.2	93.2	93.2	93.2	93.2
≥ 800	74.7	85.4	89.6	91.4	91.9	92.6	92.6	93.2	93.2	93.2	93.3	93.6	93.6	93.6	93.6	93.6
≥ 700	74.7	85.4	90.3	92.2	92.8	93.5	93.8	94.4	94.4	94.4	94.6	94.9	94.9	94.9	94.9	94.9
≥ 600	74.7	85.4	90.4	92.5	93.3	94.2	94.7	95.4	95.4	95.4	95.6	95.8	95.8	95.8	95.8	95.8
≥ 500	74.7	85.4	90.7	93.1	93.9	94.7	95.3	96.1	96.1	96.1	96.4	96.8	96.8	96.8	96.8	96.8
≥ 400	74.7	85.4	90.8	93.2	94.3	95.1	96.1	97.1	97.1	97.1	97.8	98.2	98.2	98.3	98.3	98.3
≥ 300	74.7	85.4	90.8	93.5	94.9	95.8	96.8	97.8	97.8	97.8	98.8	99.3	99.3	99.4	99.4	99.4
≥ 200	74.7	85.4	90.8	93.6	95.0	96.1	97.1	98.2	98.2	98.2	99.3	99.9	99.9	100.0	100.0	100.0
≥ 100	74.7	85.4	90.8	93.6	95.0	96.1	97.1	98.2	98.2	98.2	99.3	99.9	99.9	100.0	100.0	100.0
≥ 0	74.7	85.4	90.8	93.6	95.0	96.1	97.1	98.2	98.2	98.2	99.3	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

2  
GLOBAL CLIMATOLOGY BRANCH  
JCA/ETAC  
ATM WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	47.2	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	49.3	51.5	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	49.6	51.8	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	49.6	51.8	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	50.1	52.4	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000	51.4	53.6	54.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	52.6	55.7	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	55.4	58.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	56.9	60.1	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	60.0	63.3	64.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	62.6	66.1	67.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	66.8	71.0	72.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	68.5	72.6	74.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	70.3	74.7	76.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	70.8	75.6	76.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	73.3	78.2	79.7	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	75.8	81.4	83.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	77.5	83.1	85.7	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	78.1	84.2	86.8	89.0	89.2	89.2	89.3	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	79.3	85.4	88.6	90.8	91.0	91.0	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1200	79.9	86.3	89.4	91.7	91.8	91.8	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	79.9	86.7	89.9	92.2	92.4	92.5	92.6	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	79.9	86.7	90.1	92.8	92.9	93.1	93.2	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	79.9	86.9	90.4	93.1	93.2	93.3	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	79.9	86.9	90.7	93.9	94.0	94.2	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600	79.9	87.2	91.1	94.7	94.9	95.0	95.1	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6
≥ 500	79.9	87.2	91.4	95.0	95.1	95.3	95.6	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	79.9	87.4	91.7	95.3	95.6	95.7	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	79.9	87.4	91.7	95.8	96.9	97.1	98.3	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	79.9	87.4	91.7	95.8	97.1	97.2	98.5	98.9	98.9	99.3	99.6	99.6	99.7	99.7	99.9	100.0
≥ 100	79.9	87.4	91.7	95.8	97.1	97.2	98.5	98.9	98.9	99.3	99.6	99.6	99.7	99.7	99.9	100.0
≥ 0	79.9	87.4	91.7	95.8	97.1	97.2	98.5	98.9	98.9	99.3	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 726

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

725450  
STATION

AUSTIN STRAUBEL MI  
STATION NAME

74-81  
YEARS

APR  
MONTH

ALL  
HOURS (L.S.T.)

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	40.3	43.7	44.2	44.5	44.7	44.7	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	44.3	46.5	49.1	49.7	49.9	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 18000	44.1	46.6	49.2	49.8	50.0	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5
≥ 16000	44.2	43.6	49.3	49.8	50.1	50.1	50.2	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	44.3	49.4	50.1	50.7	50.9	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4
≥ 12000	45.3	50.6	51.4	51.9	52.2	52.2	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	47.5	52.8	53.6	54.2	54.5	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0
≥ 9000	49.4	55.3	56.0	56.8	57.1	57.2	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 8000	50.3	56.7	57.8	58.5	58.9	59.0	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	52.7	58.9	60.2	61.1	61.5	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.1
≥ 6000	55.3	61.9	63.4	64.4	64.8	64.9	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	57.3	65.1	66.7	67.8	68.3	68.4	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0
≥ 4500	58.4	66.8	68.6	69.7	70.2	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
≥ 4000	61.3	69.1	70.9	72.1	72.6	72.8	73.0	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4
≥ 3500	62.7	70.7	72.6	73.9	74.4	74.7	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	64.9	73.2	75.2	76.5	77.2	77.4	77.7	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	67.2	76.1	78.3	79.6	80.3	80.6	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥ 2000	69.9	79.3	81.7	83.2	84.0	84.3	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	70.8	80.3	82.8	84.3	85.1	85.4	85.7	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3
≥ 1500	71.7	81.6	84.4	86.0	86.8	87.1	87.5	87.8	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	72.3	82.8	85.6	87.4	88.2	88.6	89.0	89.4	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	72.8	83.6	86.6	88.5	89.5	90.1	90.7	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	72.9	84.1	87.2	89.2	90.3	91.0	91.6	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 800	72.9	84.2	87.5	89.6	90.8	91.5	92.2	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	73.0	84.4	88.1	90.3	91.7	92.6	93.3	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	73.0	84.6	88.4	90.9	92.5	93.5	94.3	95.1	95.2	95.5	95.6	95.6	95.6	95.6	95.6	95.7
≥ 500	73.0	84.8	88.7	91.4	93.1	94.3	95.3	96.2	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0
≥ 400	73.0	84.8	88.9	91.7	93.5	94.7	95.9	97.0	97.2	97.6	97.8	97.8	98.0	98.0	98.0	98.1
≥ 300	73.0	84.9	88.9	91.8	93.8	95.1	96.5	97.7	97.9	98.5	98.8	98.8	99.1	99.1	99.2	99.3
≥ 200	73.0	84.9	88.9	91.9	93.9	95.2	96.6	97.9	98.1	98.8	99.1	99.1	99.5	99.5	99.7	99.8
≥ 100	73.0	84.9	88.9	91.9	93.9	95.2	96.6	97.9	98.1	98.8	99.2	99.2	99.5	99.5	99.8	100.0
≥ 0	73.0	84.9	88.9	91.9	93.9	95.2	96.6	97.9	98.1	98.8	99.2	99.2	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72645

AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	51.8	56.3	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3
IN 20000	55.1	60.3	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4
IN 18000	55.2	60.5	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.7
IN 16000	55.5	60.8	60.9	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.8	62.1
IN 14000	57.8	63.2	63.4	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.4	64.7
IN 12000	60.3	66.1	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.5	67.6	67.9
IN 10000	61.8	68.7	69.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2	70.3	70.6
IN 9000	62.4	69.9	70.6	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.8	72.0
IN 8000	66.0	73.7	74.3	75.1	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.8	76.1
IN 6000	69.0	76.7	77.7	78.5	78.5	78.6	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.2	79.3	79.6
IN 5000	71.0	79.0	80.0	81.0	81.0	81.2	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.9	82.0	82.3
IN 4500	72.3	80.9	81.9	83.2	83.2	83.3	83.5	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.1	84.4
IN 4000	73.1	82.0	82.9	84.5	84.5	84.7	84.8	85.1	85.1	85.2	85.2	85.2	85.3	85.5	85.6	85.8
IN 3500	74.2	83.1	84.0	86.0	86.0	86.2	86.3	86.6	86.6	86.7	86.7	86.7	86.8	87.0	87.1	87.2
IN 3000	74.9	84.1	85.1	87.2	87.2	87.5	87.6	87.9	87.9	88.0	88.0	88.0	88.2	88.3	88.4	88.6
IN 2500	75.1	84.7	86.0	88.3	88.3	88.6	88.7	89.0	89.0	89.1	89.1	89.1	89.2	89.4	89.5	89.7
IN 2000	75.9	85.5	87.1	89.4	89.4	89.7	89.8	90.1	90.1	90.2	90.2	90.2	90.3	90.5	90.6	90.7
IN 1800	76.3	85.9	87.5	89.8	89.8	90.1	90.2	90.5	90.5	90.6	90.6	90.6	90.7	90.9	91.0	91.1
IN 1500	76.6	86.2	88.0	90.5	90.5	90.7	90.9	91.1	91.1	91.3	91.3	91.3	91.4	91.5	91.7	91.8
IN 1200	77.0	86.7	88.7	91.3	91.3	91.5	91.7	91.9	91.9	92.1	92.1	92.1	92.2	92.3	92.5	92.6
IN 1000	77.4	87.1	89.1	91.8	91.8	92.1	92.2	92.5	92.5	92.6	92.6	92.6	92.7	92.9	93.0	93.1
IN 900	77.7	87.4	89.4	92.2	92.3	92.6	92.7	93.0	93.0	93.1	93.1	93.1	93.2	93.4	93.5	93.7
IN 800	77.8	87.6	89.7	92.6	92.9	93.1	93.4	93.7	93.7	93.8	93.8	93.8	94.0	94.1	94.2	94.4
IN 700	77.8	87.6	89.7	93.3	93.5	93.8	94.1	94.4	94.4	94.6	94.6	94.6	94.8	94.9	95.0	95.2
IN 600	77.8	87.6	89.7	93.7	94.0	94.2	94.5	94.8	94.8	95.0	95.0	95.0	95.2	95.3	95.4	95.6
IN 500	77.8	87.9	89.9	94.2	94.5	94.8	95.0	95.3	95.3	95.6	95.6	95.6	96.0	96.1	96.2	96.4
IN 400	77.8	88.2	90.2	94.5	94.8	95.0	95.4	95.7	95.8	96.1	96.2	96.2	96.6	96.8	96.9	97.0
IN 300	77.8	88.4	90.6	94.9	95.2	95.4	95.8	96.1	96.2	96.5	96.6	96.6	97.0	97.2	97.3	97.4
IN 200	77.8	88.4	90.6	95.0	95.3	95.6	96.2	96.6	96.8	97.2	97.6	97.6	98.0	98.1	98.3	98.4
IN 100	77.8	88.4	90.6	95.0	95.3	95.6	96.4	96.8	96.9	97.6	98.0	98.0	98.7	98.8	99.1	99.3
IN 0	77.8	88.4	90.6	95.0	95.3	95.6	96.4	96.8	96.9	97.6	98.0	98.0	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
CLIMATE CLIMATOLOGY BRANCH  
ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

726407  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	46.5	51.3	52.2	53.4	54.2	54.6	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	49.7	55.9	56.7	58.1	58.9	59.3	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	50.3	56.5	57.3	58.6	59.4	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 16000	50.3	56.5	57.3	58.6	59.4	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	51.1	57.3	58.2	59.5	60.3	60.6	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	53.1	59.3	60.2	61.6	62.4	62.9	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 10000	55.3	63.2	64.2	65.7	66.5	67.3	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	58.1	66.0	67.5	69.2	70.0	70.8	71.2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	59.3	67.5	69.0	70.8	71.6	72.4	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 7000	61.1	69.4	70.8	72.8	73.7	74.5	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	63.2	72.8	74.3	76.6	77.4	78.2	78.9	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000	64.5	74.6	76.1	78.5	79.3	80.2	80.9	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	64.9	75.4	77.0	79.6	80.4	81.3	82.0	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000	65.7	76.3	78.2	80.9	81.7	82.7	83.5	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	65.7	76.7	78.6	81.3	82.1	83.1	83.9	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	66.7	77.7	79.7	82.4	83.2	84.1	85.1	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2500	67.1	78.2	80.2	83.1	83.9	84.8	85.8	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	67.9	79.0	81.3	84.3	85.1	86.0	87.0	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	68.4	79.7	82.0	84.9	85.8	86.7	87.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	68.4	80.4	82.8	85.9	86.7	87.6	88.6	89.5	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	69.9	82.0	84.5	87.8	88.6	89.5	90.5	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	70.0	82.1	84.7	88.2	89.0	89.9	90.9	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	70.2	82.3	85.1	88.6	89.4	90.5	91.5	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	70.2	82.4	85.2	88.7	89.5	90.6	91.8	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	70.2	82.4	85.2	88.7	89.5	90.6	91.8	92.9	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600	70.2	82.4	85.2	89.0	89.9	91.0	92.2	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	70.2	82.5	85.5	89.4	90.6	91.7	93.0	94.1	94.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400	70.2	82.5	85.5	89.5	90.7	91.9	93.3	94.4	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	70.2	82.8	85.9	90.2	91.4	92.7	94.1	95.6	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	70.2	82.8	85.9	90.2	91.4	92.7	94.2	95.7	96.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6
≥ 100	70.2	82.8	85.9	90.2	91.4	92.7	94.2	95.7	96.1	97.6	97.8	97.8	97.8	98.4	98.8	99.2
≥ 0	70.2	82.8	85.9	90.2	91.4	92.7	94.2	95.7	96.1	97.6	97.8	97.8	97.8	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72645 STATION  
AUSTIN STRAUBEL WI STATION NAME

74-81 YEARS

MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	39.4 43.8	48.5 53.9	51.0 55.4	50.9 56.5	52.6 58.3	53.2 59.0	53.5 59.4	54.3 60.2	54.3 60.2	54.4 60.3	54.4 60.3	54.4 60.3	54.4 60.3	54.4 60.3	54.6 60.5	54.6 60.5
≥ 18000 ≥ 6500	44.2 44.1	54.3 55.1	55.8 56.6	56.9 57.7	58.7 59.5	59.4 60.2	59.8 60.6	60.6 61.4	60.6 61.4	60.8 61.6	60.8 61.6	60.8 61.6	60.8 61.6	60.8 61.6	60.9 61.7	60.9 61.7
≥ 14000 ≥ 12000	46.6 46.6	56.2 58.1	57.7 59.5	58.7 60.6	61.6 62.6	61.3 63.3	61.9 64.0	62.6 64.8	62.6 64.8	62.8 64.9	62.8 64.9	62.8 64.9	62.8 64.9	62.8 64.9	62.9 65.1	62.9 65.1
≥ 10000 ≥ 9000	49.1 51.5	61.2 63.7	62.9 65.3	64.0 66.5	66.0 68.5	66.7 69.2	67.6 70.3	68.5 71.2	68.5 71.2	68.8 71.6	68.8 71.6	68.8 71.6	68.8 71.6	68.8 71.6	69.0 71.8	69.0 71.8
≥ 8000 ≥ 7000	2.3 3.4	64.8 66.0	66.4 67.9	67.7 69.4	69.8 71.4	70.4 72.0	71.5 73.1	72.6 74.2	72.6 74.2	73.0 74.6	73.0 74.6	73.0 74.6	73.0 74.6	73.0 74.6	73.1 74.7	73.1 74.7
≥ 6000 ≥ 5000	56.3 57.3	69.1 71.2	71.0 72.4	72.7 74.5	74.7 76.5	75.5 77.4	76.6 78.5	77.7 79.7	77.7 79.7	78.1 80.1	78.1 80.1	78.1 80.1	78.1 80.1	78.1 80.1	78.2 80.2	78.2 80.2
≥ 4500 ≥ 4000	59.3 57.8	71.5 73.1	73.9 75.5	75.9 77.6	78.0 79.7	78.9 80.8	80.2 82.3	81.5 83.5	81.5 83.5	81.9 84.0	81.9 84.0	81.9 84.0	81.9 84.0	81.9 84.0	82.0 84.1	82.0 84.1
≥ 3500 ≥ 3000	59.8 60.2	73.4 73.9	75.8 76.3	77.8 78.4	80.1 80.8	81.2 82.0	82.7 83.7	83.9 84.9	83.9 84.9	84.4 85.5	84.4 85.5	84.4 85.5	84.4 85.5	84.4 85.5	84.5 85.8	84.5 85.8
≥ 2500 ≥ 2000	61.0 61.8	74.7 75.5	77.2 79.2	79.2 80.4	81.6 82.8	82.8 84.0	84.5 85.8	85.8 87.1	85.8 87.1	86.3 87.6	86.3 87.6	86.3 87.6	86.3 87.6	86.3 87.6	86.6 87.9	86.6 87.9
≥ 1800 ≥ 1500	62.5 63.3	76.6 77.7	79.3 80.4	81.7 83.1	84.1 85.5	85.3 86.7	87.1 88.4	88.6 89.9	88.6 89.9	89.1 90.5	89.1 90.5	89.1 90.5	89.1 90.5	89.1 90.5	89.4 90.7	89.4 90.7
≥ 1200 ≥ 1000	64.7 64.9	79.2 79.7	81.9 82.5	84.7 85.5	87.1 87.9	88.3 89.1	90.1 91.0	91.5 92.5	91.5 92.5	92.1 93.0	92.1 93.0	92.1 93.0	92.1 93.0	92.1 93.0	92.3 93.3	92.3 93.3
≥ 900 ≥ 800	64.9 64.9	80.1 80.1	83.1 83.1	86.0 86.0	88.6 88.6	89.8 89.8	91.8 91.9	93.3 93.7	93.3 93.8	94.0 94.5	94.0 94.5	94.0 94.5	94.0 94.5	94.0 94.5	94.2 94.8	94.2 94.8
≥ 700 ≥ 600	64.9 64.9	80.1 80.1	83.1 83.2	86.0 86.2	88.6 88.7	89.8 89.9	92.1 92.3	93.8 94.1	94.0 94.5	94.6 95.2	94.6 95.2	94.6 95.2	94.6 95.2	94.6 95.2	94.9 95.4	94.9 95.4
≥ 500 ≥ 400	64.9 64.9	80.1 80.1	83.2 83.2	86.2 86.3	88.7 88.8	90.1 90.2	92.6 92.9	94.6 95.3	95.0 95.7	95.7 96.5	95.7 96.5	95.8 96.6	95.8 96.6	95.8 96.6	96.1 96.9	96.1 96.9
≥ 300 ≥ 200	64.9 64.9	80.1 80.1	83.2 83.2	86.3 86.3	88.8 88.8	90.2 90.2	92.9 93.0	95.3 95.6	95.7 96.0	97.2 97.8	97.4 98.3	97.7 98.3	97.7 98.3	97.7 98.3	98.0 99.1	98.0 99.1
≥ 100 ≥ 0	64.9 64.9	80.1 80.1	83.2 83.2	86.3 86.3	88.8 88.8	90.2 90.2	93.0 93.0	95.6 95.6	96.0 96.0	97.8 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	99.9 99.9	99.9 99.9

TOTAL NUMBER OF OBSERVATIONS 744

AD-A113 705 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AUSTIN STRAUDEL APT, GREEN BAY, WISCONSIN. REVISED UNIFORM SUMM--ETC (11)  
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GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72845

ALSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	39.9	48.8	50.1	51.5	52.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	45.0	55.5	57.0	58.7	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	45.4	56.0	57.5	59.3	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	45.4	56.0	57.5	59.3	60.3	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	45.8	56.6	58.1	59.8	60.9	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000	46.8	57.7	59.3	61.0	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	48.8	60.1	61.8	63.6	65.2	65.3	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 9000	51.3	63.0	64.9	66.7	68.3	68.5	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	52.3	64.1	66.0	67.7	69.4	69.6	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	53.2	65.2	67.1	68.8	70.6	71.0	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	54.7	66.9	69.0	70.7	72.7	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	56.3	68.7	70.8	72.7	74.7	75.1	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 4500	57.4	69.9	72.4	74.3	76.3	76.9	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	59.0	72.0	74.6	76.5	78.5	79.0	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	61.0	74.3	76.9	78.8	80.8	81.3	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	63.6	77.0	79.6	81.5	83.7	84.3	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	65.6	79.2	82.0	83.9	86.2	86.7	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	66.8	80.9	84.0	86.0	88.3	89.1	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	67.9	82.0	85.2	87.2	89.5	90.3	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	69.0	83.7	87.0	89.1	91.5	92.5	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	69.4	85.1	88.4	90.6	93.0	94.0	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	69.4	85.3	88.8	91.0	93.5	94.5	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	69.4	85.5	89.0	91.1	93.8	94.9	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	69.4	85.6	89.1	91.3	94.0	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	69.4	85.6	89.2	91.5	94.4	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	69.4	85.6	89.7	92.2	95.0	96.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	69.4	85.6	90.1	92.7	95.7	97.3	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	69.4	85.6	90.1	92.9	95.8	97.4	98.7	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	69.4	85.6	90.1	92.9	95.8	97.4	98.8	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	69.4	85.6	90.1	92.9	95.8	97.4	98.8	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	69.4	85.6	90.1	92.9	95.8	97.4	98.8	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	69.4	85.6	90.1	92.9	95.8	97.4	98.8	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72450

AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	39.7	46.8	47.2	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	47.7	55.8	56.6	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	47.8	55.9	56.7	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	47.8	55.9	56.7	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	48.3	56.7	57.5	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	49.3	57.9	58.9	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	52.2	60.8	61.7	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	54.6	63.6	64.7	65.9	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	55.6	64.9	66.4	67.6	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	56.7	65.5	67.1	68.3	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	57.1	67.1	69.2	70.4	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	59.7	70.0	72.2	73.4	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	62.9	73.7	76.1	77.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	66.0	77.3	79.8	81.0	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	67.5	79.2	81.7	82.9	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	71.1	83.6	86.2	87.4	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	72.3	86.2	88.7	90.1	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	73.7	88.7	91.4	92.9	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	73.8	88.8	91.5	93.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	74.2	89.5	92.3	93.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	74.3	90.3	93.4	95.0	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	74.3	90.6	93.7	95.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	74.3	90.9	94.0	95.8	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	74.3	90.9	94.0	95.8	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	74.3	91.1	94.4	96.6	98.0	98.3	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.3	91.3	94.9	97.4	98.8	99.1	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEAR

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	43.8	48.4	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	49.7	55.5	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	49.7	55.5	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	49.9	55.6	56.5	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	50.3	56.6	57.4	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	52.8	59.0	60.1	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	55.8	62.5	63.7	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	57.7	64.5	65.7	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	59.8	67.2	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	60.5	68.1	69.4	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000	64.7	73.1	74.5	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	67.3	76.5	77.8	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	70.2	80.4	81.9	82.7	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	72.6	84.0	85.8	86.6	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	74.9	86.7	88.6	89.4	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	76.1	88.2	90.1	91.0	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	76.6	88.8	90.9	91.8	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	77.2	90.1	92.2	93.3	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	77.2	90.2	92.3	93.4	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	77.4	90.7	92.9	94.0	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	77.4	90.7	92.9	94.0	95.0	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	77.7	91.7	93.8	95.4	96.5	97.2	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	77.7	91.8	94.0	95.6	96.6	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	77.8	91.9	94.2	95.8	96.9	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	77.8	91.9	94.2	95.8	96.9	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	77.8	92.1	94.4	96.1	97.3	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.8	92.1	94.4	96.2	97.4	98.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	47.4	51.3	52.0	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	54.2	58.9	59.7	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	54.2	58.9	59.7	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	54.3	59.1	59.9	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	55.1	60.5	61.4	62.0	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	56.9	62.6	63.8	64.4	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	60.5	66.5	67.9	68.4	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	62.6	69.4	70.7	71.2	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	64.0	71.1	72.4	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	66.1	73.9	75.3	75.9	76.6	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	68.7	77.6	78.9	79.6	80.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	71.2	80.9	82.4	83.2	84.0	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500	72.7	83.1	84.5	85.3	86.2	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	74.2	84.5	86.0	87.1	88.3	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	75.7	85.8	87.2	88.3	89.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	75.8	86.7	88.4	89.7	91.1	92.2	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	76.1	87.4	89.2	90.5	92.1	93.1	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2000	76.5	88.2	90.2	91.4	93.0	94.1	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	76.6	88.3	90.3	91.5	93.1	94.2	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	76.6	88.4	90.6	92.1	93.7	94.8	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	76.7	89.0	91.5	93.3	95.0	96.1	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	77.0	89.4	91.9	93.7	95.6	96.6	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	77.0	89.4	91.9	93.7	95.6	96.6	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	77.0	89.5	92.2	94.0	95.8	96.9	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	77.0	89.5	92.2	94.0	96.0	97.0	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	77.0	89.5	92.5	94.2	96.2	97.3	98.0	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	77.0	89.5	92.6	94.4	96.4	97.4	98.3	98.3	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	77.0	89.5	92.6	94.4	96.4	97.4	98.3	98.3	98.3	98.3	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	77.0	89.5	92.6	94.4	96.4	97.4	98.4	98.4	98.4	98.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 200	77.0	89.5	92.6	94.4	96.4	97.4	98.4	98.4	98.4	98.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	77.0	89.5	92.6	94.4	96.4	97.4	98.4	98.4	98.4	98.4	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	77.0	89.5	92.6	94.4	96.4	97.4	98.4	98.4	98.4	98.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457

AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	52.4	57.7	58.1	58.7	58.7	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	56.5	63.0	63.4	64.1	64.1	64.2	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	56.7	63.3	63.7	64.4	64.4	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	56.7	63.3	63.7	64.4	64.4	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 14000	57.5	64.1	64.5	65.2	65.2	65.3	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 12000	59.0	65.9	66.3	66.9	67.1	67.2	67.3	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	61.6	68.8	69.2	69.9	70.0	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 9000	63.7	71.9	72.6	73.7	73.8	74.3	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	66.0	74.5	75.1	76.3	76.5	77.2	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 7000	67.3	76.2	76.9	76.1	78.2	79.0	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	69.2	78.5	79.3	81.0	81.2	82.0	82.1	82.1	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000	72.6	81.9	82.8	84.5	84.8	85.6	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	73.8	83.5	84.5	86.3	86.6	87.4	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 4000	74.7	84.9	86.0	87.8	88.0	88.8	89.1	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	75.5	85.8	86.8	88.6	88.8	89.7	89.9	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	75.7	85.9	87.1	89.0	89.2	90.1	90.3	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	75.8	86.2	87.9	89.8	90.1	90.9	91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	76.3	87.0	88.7	90.6	90.9	91.7	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	76.6	87.4	89.1	91.1	91.4	92.2	92.5	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	76.9	87.6	89.4	91.7	91.9	92.7	93.0	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	76.9	87.8	89.9	92.3	92.9	93.7	94.1	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	77.2	88.2	90.9	93.4	94.0	94.8	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	77.3	88.3	91.0	93.5	94.1	94.9	95.3	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	77.3	88.3	91.1	93.8	94.6	95.4	96.0	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	77.4	88.4	91.3	94.0	94.9	95.7	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	77.4	88.4	91.4	94.1	95.0	95.8	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 500	77.4	88.4	91.5	94.5	95.4	96.2	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	77.4	88.7	91.8	94.8	95.8	96.6	97.6	97.8	97.8	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	77.4	88.8	91.9	95.0	96.1	97.0	98.0	98.3	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	77.4	88.8	91.9	95.0	96.1	97.0	98.3	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	77.4	88.8	91.9	95.0	96.1	97.0	98.3	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	77.4	88.8	91.9	95.0	96.1	97.0	98.3	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/4	≥ 0
NO CEILING	45.1	51.1	51.9	52.7	53.1	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6
≥ 20000	50.2	57.3	58.2	59.1	59.7	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
≥ 18000	50.4	57.6	58.4	59.4	60.0	60.2	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6
≥ 16000	50.6	57.8	58.6	59.6	60.1	60.3	60.5	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.8
≥ 14000	51.2	58.6	59.5	60.4	61.0	61.2	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	52.3	60.5	61.4	62.4	63.1	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥ 10000	55.5	63.6	64.8	65.8	66.5	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 9000	57.7	66.3	67.6	68.7	69.4	69.8	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥ 8000	59.0	68.0	69.3	70.5	71.2	71.6	71.8	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 7000	60.5	69.7	71.1	72.3	73.1	73.6	73.8	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
≥ 6000	62.9	72.7	74.2	75.6	76.4	76.9	77.3	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 5000	65.5	75.2	76.8	78.3	79.2	79.8	80.1	80.4	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6
≥ 4500	66.6	77.3	79.0	80.6	81.5	82.1	82.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0
≥ 4000	68.2	79.3	81.1	82.7	83.7	84.3	84.8	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 3500	69.2	80.6	82.5	84.1	85.1	85.8	86.2	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 3000	70.5	82.1	84.1	85.8	86.9	87.6	88.1	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 2500	71.2	83.2	85.3	87.1	88.2	88.9	89.4	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 2000	72.0	84.4	86.6	88.5	89.7	90.4	90.9	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6
≥ 1800	72.4	84.9	87.2	89.1	90.3	90.9	91.5	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 1500	72.8	85.5	87.9	90.0	91.2	91.9	92.5	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.2	93.2
≥ 1200	73.3	86.3	88.9	91.1	92.4	93.1	93.7	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 1000	73.5	86.8	89.4	91.8	93.1	93.9	94.5	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2
≥ 900	73.6	86.9	89.7	92.1	93.4	94.2	94.9	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 800	73.6	87.0	89.8	92.3	93.7	94.5	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 700	73.6	87.1	89.9	92.5	94.0	94.8	95.6	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.5	96.5
≥ 600	73.6	87.1	90.1	92.9	94.4	95.2	96.1	96.6	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 500	73.6	87.2	90.3	93.1	94.7	95.4	96.4	97.2	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.8
≥ 400	73.6	87.2	90.3	93.2	94.8	95.6	96.6	97.5	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.3
≥ 300	73.6	87.3	90.4	93.4	95.0	96.0	97.1	97.8	97.9	98.5	98.6	98.6	98.7	98.8	98.8	98.8
≥ 200	73.6	87.3	90.4	93.4	95.0	96.0	97.2	98.0	98.1	98.9	99.1	99.1	99.2	99.2	99.3	99.4
≥ 100	73.6	87.3	90.4	93.4	95.0	96.0	97.2	98.0	98.1	98.9	99.2	99.2	99.4	99.5	99.7	99.9
≥ 0	73.6	87.3	90.4	93.4	95.0	96.0	97.2	98.0	98.1	98.9	99.2	99.2	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720451

AUSTIN STRAUBEL WI

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	51.3 53.9	53.6 56.3	55.3 57.9	56.5 59.2	57.6 60.3	57.6 60.3	57.9 60.6	57.9 60.6	57.9 60.6	57.9 60.6	57.9 60.6	57.9 60.6	58.1 60.7	58.1 60.7	58.1 60.7	58.1 60.7
≥ 18000 IN 16000	53.9 53.9	56.3 56.3	57.9 57.9	59.2 59.2	60.3 60.3	60.3 60.3	60.6 60.6	60.6 60.6	60.6 60.6	60.6 60.6	60.6 60.6	60.6 60.6	60.7 60.7	60.7 60.7	60.7 60.7	60.7 60.7
≥ 14000 IN 12000	55.0 57.8	57.4 60.6	59.0 62.4	60.3 63.8	61.4 65.1	61.4 65.1	61.7 65.4	61.7 65.4	61.7 65.4	61.7 65.4	61.7 65.4	61.7 65.4	61.8 65.6	61.8 65.6	61.8 65.6	61.8 65.6
≥ 10000 IN 9000	62.2 64.3	65.3 67.8	67.1 69.6	68.5 71.1	70.0 72.6	70.0 72.6	70.3 72.9	70.3 72.9	70.3 72.9	70.3 72.9	70.3 72.9	70.3 72.9	70.4 73.1	70.4 73.1	70.4 73.1	70.4 73.1
≥ 8000 IN 7000	66.0 68.8	70.0 72.9	72.1 75.1	73.8 76.9	75.3 78.5	75.3 78.5	75.6 78.8	75.6 78.8	75.6 78.8	75.6 78.8	75.6 78.8	75.6 78.8	75.7 78.9	75.7 78.9	75.7 78.9	75.7 78.9
≥ 6000 IN 5000	71.1 73.6	76.0 78.9	78.2 81.3	80.3 83.5	81.8 85.0	81.8 85.0	82.1 85.3	82.1 85.3	82.1 85.3	82.1 85.3	82.1 85.3	82.1 85.3	82.2 85.4	82.2 85.4	82.2 85.4	82.2 85.4
≥ 4500 IN 4000	74.6 75.6	79.9 81.0	82.2 83.5	84.4 86.0	86.0 87.5	86.0 87.5	86.3 87.8	86.3 87.8	86.3 87.8	86.3 87.8	86.3 87.8	86.3 87.8	86.4 87.9	86.4 87.9	86.4 87.9	86.4 87.9
≥ 3500 IN 3000	76.1 76.8	81.7 82.8	84.6 85.7	87.1 88.2	88.8 89.9	88.8 90.0	89.0 90.3	89.0 90.3	89.0 90.3	89.0 90.3	89.0 90.3	89.0 90.3	89.2 90.4	89.2 90.4	89.2 90.4	89.2 90.4
≥ 2500 IN 2000	77.5 78.9	83.6 85.4	86.8 88.9	89.6 91.8	91.3 93.5	91.4 93.6	91.7 94.0	91.7 94.0	91.7 94.0	91.7 94.0	91.7 94.0	91.7 94.0	91.8 94.2	91.8 94.2	91.8 94.2	91.8 94.2
≥ 1800 IN 1500	78.9 79.6	85.7 86.5	89.2 90.0	92.2 93.1	93.9 94.9	94.0 95.0	94.4 95.4	94.4 95.4	94.4 95.4	94.4 95.4	94.4 95.4	94.4 95.4	94.6 95.6	94.6 95.6	94.6 95.6	94.6 95.6
≥ 1200 IN 1000	80.0 80.0	87.1 87.1	90.7 90.7	94.6 95.0	96.4 96.8	96.5 96.9	96.9 97.4	96.9 97.5	96.9 97.5	96.9 97.5	96.9 97.5	96.9 97.5	97.1 97.6	97.1 97.6	97.1 97.6	97.1 97.6
≥ 900 IN 800	80.0 80.0	87.1 87.1	90.7 90.7	95.0 95.0	96.8 96.8	96.9 96.9	97.4 97.4	97.5 97.6	97.5 97.6	97.5 97.6	97.5 97.6	97.5 97.6	97.6 97.8	97.6 97.8	97.6 97.8	97.6 97.8
≥ 700 IN 600	80.0 80.0	87.1 87.1	90.7 90.7	95.3 95.3	97.1 97.1	97.2 97.2	97.6 97.6	97.9 97.9	97.9 97.9	97.9 97.9	97.9 97.9	97.9 97.9	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1
≥ 500 IN 400	80.0 80.0	87.1 87.1	90.7 90.7	95.3 95.3	97.4 97.4	97.5 97.5	98.1 98.1	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.5 98.5	98.5 98.5	98.5 98.5	98.5 98.5
≥ 300 IN 200	80.0 80.0	87.1 87.1	91.0 91.0	95.6 95.6	97.6 97.6	97.8 97.8	99.0 99.0	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 100 IN 0	80.0 80.0	87.1 87.1	91.0 91.0	95.6 95.6	97.6 97.6	97.8 97.8	99.0 99.0	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL #1

74-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	42.6	47.8	49.4	51.0	51.9	52.1	52.8	53.2	53.2	54.2	54.2	54.2	54.4	54.4	54.4	54.6
≥ 20000	47.8	53.2	55.0	56.5	57.8	57.9	58.6	59.2	59.2	60.1	60.1	60.1	60.4	60.4	60.4	60.7
≥ 18000	47.8	53.2	55.0	56.5	57.8	57.9	58.6	59.2	59.2	60.1	60.1	60.1	60.4	60.4	60.4	60.7
≥ 16000	47.8	53.2	55.0	56.5	57.8	57.9	58.6	59.2	59.2	60.1	60.1	60.1	60.4	60.4	60.4	60.7
≥ 14000	49.2	55.0	56.8	58.3	59.6	59.7	60.4	61.0	61.0	61.9	61.9	61.9	62.2	62.2	62.2	62.5
≥ 12000	51.3	57.2	59.0	60.6	62.1	62.2	62.9	63.5	63.5	64.4	64.4	64.4	64.7	64.7	64.7	65.0
≥ 10000	55.0	61.7	63.6	65.1	66.7	66.8	67.9	68.5	68.5	69.4	69.4	69.4	69.7	69.7	69.7	70.0
≥ 9000	56.5	64.2	66.1	67.8	69.3	69.4	70.6	71.1	71.1	72.1	72.1	72.1	72.4	72.4	72.4	72.6
≥ 8000	57.9	66.3	68.2	69.9	71.4	71.5	72.8	73.5	73.5	74.4	74.4	74.4	74.7	74.7	74.7	75.0
≥ 7000	59.9	68.3	70.4	72.1	73.6	73.8	75.0	75.7	75.7	76.7	76.7	76.7	76.9	76.9	76.9	77.2
≥ 6000	61.9	70.7	73.1	74.7	76.3	76.4	77.6	78.3	78.3	79.3	79.3	79.3	79.6	79.6	79.6	79.9
≥ 5000	63.3	73.5	76.0	77.6	79.3	79.4	80.7	81.4	81.4	82.4	82.4	82.4	82.6	82.6	82.6	82.9
≥ 4500	65.1	74.7	77.2	78.9	80.6	80.7	81.9	82.6	82.6	83.6	83.6	83.6	83.9	83.9	83.9	84.2
≥ 4000	66.3	75.8	78.6	80.6	82.4	82.5	83.8	84.4	84.4	85.4	85.4	85.4	85.7	85.7	85.7	86.0
≥ 3500	66.8	76.4	79.2	81.1	83.1	83.2	84.4	85.1	85.1	86.1	86.1	86.1	86.4	86.4	86.4	86.7
≥ 3000	67.4	77.2	80.1	82.1	84.2	84.4	85.7	86.4	86.4	87.4	87.4	87.4	87.6	87.6	87.6	87.9
≥ 2500	68.1	77.9	80.8	82.8	85.3	85.6	86.9	87.6	87.6	88.6	88.6	88.6	88.9	88.9	88.9	89.2
≥ 2000	69.0	79.4	82.5	85.0	87.5	87.8	89.3	90.0	90.0	91.0	91.0	91.0	91.3	91.3	91.3	91.5
≥ 1800	69.4	80.0	83.1	85.7	88.2	88.5	90.1	90.8	90.8	91.8	91.8	91.8	92.1	92.1	92.1	92.4
≥ 1500	70.3	81.1	84.4	87.1	89.6	89.9	91.5	92.2	92.2	93.2	93.2	93.2	93.5	93.5	93.5	93.8
≥ 1200	70.4	81.5	85.1	87.9	90.6	90.8	92.5	93.2	93.2	94.2	94.2	94.2	94.4	94.4	94.4	94.7
≥ 1000	70.6	82.2	86.0	88.8	91.4	91.7	93.3	94.3	94.3	95.3	95.4	95.4	95.8	95.8	95.8	96.1
≥ 900	70.6	82.5	86.3	89.0	91.8	92.1	93.8	94.7	94.7	95.8	96.0	96.0	96.4	96.4	96.4	96.7
≥ 800	70.6	82.5	86.3	89.2	91.9	92.2	93.9	94.9	94.9	96.0	96.1	96.1	96.5	96.5	96.5	96.8
≥ 700	70.6	82.6	86.4	89.3	92.4	92.6	94.3	95.3	95.3	96.4	96.5	96.5	96.9	96.9	96.9	97.2
≥ 600	70.6	82.8	86.8	89.7	92.8	93.2	94.9	95.8	95.8	97.1	97.2	97.2	97.6	97.6	97.6	97.9
≥ 500	70.6	82.9	87.2	90.1	93.3	93.8	95.4	96.4	96.4	97.6	97.8	97.8	98.3	98.3	98.3	98.6
≥ 400	70.6	82.9	87.2	90.1	93.3	93.8	95.8	96.8	96.8	98.1	98.2	98.2	98.8	98.8	98.8	99.0
≥ 300	70.6	82.9	87.2	90.3	93.5	93.9	96.0	96.9	96.9	98.2	98.3	98.3	99.0	99.0	99.0	99.3
≥ 200	70.6	82.9	87.2	90.3	93.5	93.9	96.0	96.9	96.9	98.2	98.3	98.3	99.0	99.3	99.3	99.6
≥ 100	70.6	82.9	87.2	90.3	93.5	93.9	96.0	96.9	96.9	98.2	98.3	98.3	99.0	99.3	99.3	100.0
≥ 0	70.6	82.9	87.2	90.3	93.5	93.9	96.0	96.9	96.9	98.2	98.3	98.3	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450      AUSTIN STRAUBEL WT

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	43.1	45.1	46.9	47.4	48.9	49.6	50.4	50.7	51.0	51.4	51.4	51.4	51.4	51.5	51.5	51.5
≥ 20000	44.9	52.1	54.2	54.9	56.7	57.5	58.8	59.0	59.3	59.7	59.7	59.7	59.7	59.9	59.9	60.0
≥ 18000	45.1	52.4	54.4	55.1	56.9	57.8	59.0	59.3	59.6	60.0	60.0	60.0	60.0	60.1	60.1	60.3
≥ 16000	45.1	52.4	54.4	55.1	56.9	57.8	59.0	59.3	59.6	60.0	60.0	60.0	60.0	60.1	60.1	60.3
≥ 14000	45.7	53.2	55.3	56.0	57.9	58.8	60.0	60.3	60.6	61.0	61.0	61.0	61.0	61.1	61.1	61.3
≥ 12000	46.4	54.4	56.5	57.2	59.4	60.3	61.5	61.8	62.1	62.5	62.5	62.5	62.5	62.6	62.6	62.8
≥ 10000	48.6	57.8	59.9	60.6	62.9	63.8	65.0	65.3	65.6	66.0	66.0	66.0	66.0	66.1	66.1	66.3
≥ 9000	50.8	60.6	62.6	63.3	65.8	66.7	67.9	68.2	68.5	68.9	68.9	68.9	68.9	69.0	69.0	69.2
≥ 8000	52.3	63.5	65.7	66.4	68.9	69.7	71.1	71.7	71.9	72.4	72.4	72.4	72.4	72.5	72.5	72.6
≥ 7000	54.3	65.3	67.6	68.3	70.8	71.7	73.1	73.8	74.0	74.4	74.4	74.4	74.4	74.6	74.6	74.7
≥ 6000	56.1	67.5	69.9	70.6	73.1	73.9	75.3	76.0	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.9
≥ 5000	57.8	69.3	71.7	72.4	75.0	75.8	77.2	77.9	78.2	78.6	78.8	78.8	78.8	79.0	79.0	79.2
≥ 4500	58.5	70.1	72.6	73.3	76.0	76.8	78.2	78.9	79.2	79.6	79.7	79.7	79.7	80.0	80.0	80.1
≥ 4000	59.0	70.7	73.2	73.9	76.5	77.5	78.9	79.9	80.1	80.7	80.8	80.8	80.8	81.1	81.1	81.3
≥ 3500	59.3	71.0	73.6	74.3	76.9	77.9	79.3	80.3	80.6	81.1	81.3	81.3	81.3	81.5	81.5	81.7
≥ 3000	60.3	71.9	74.7	75.4	78.2	79.2	80.6	81.5	81.8	82.4	82.5	82.5	82.5	82.8	82.8	82.9
≥ 2500	61.4	73.6	76.4	77.1	79.9	80.8	82.2	83.3	83.6	84.2	84.3	84.3	84.3	84.6	84.6	84.7
≥ 2000	62.6	75.4	78.2	79.0	81.8	82.9	84.4	85.6	85.8	86.4	86.5	86.5	86.5	86.8	86.8	86.9
≥ 1800	63.5	76.4	79.2	80.1	82.9	84.2	85.7	86.8	87.1	87.6	87.8	87.8	87.8	88.1	88.1	88.2
≥ 1500	65.0	78.1	81.0	81.9	84.7	86.0	87.6	88.9	89.2	89.7	89.9	89.9	89.9	90.1	90.1	90.3
≥ 1200	65.6	79.2	82.5	83.5	86.3	87.5	89.2	90.6	90.8	91.5	91.7	91.7	91.7	91.9	91.9	92.1
≥ 1000	66.1	80.0	83.9	85.0	87.8	89.0	91.0	92.4	92.6	93.5	93.6	93.6	93.6	93.9	93.9	94.0
≥ 900	66.7	80.6	84.4	85.6	88.5	89.9	91.8	93.2	93.5	94.4	94.6	94.6	94.6	94.9	94.9	95.0
≥ 800	66.7	80.6	84.4	85.7	88.8	90.3	92.2	93.6	93.9	94.9	95.0	95.0	95.0	95.3	95.3	95.4
≥ 700	66.7	80.6	84.4	85.7	88.8	90.3	92.2	93.6	93.9	94.9	95.0	95.0	95.0	95.3	95.3	95.4
≥ 600	66.7	80.6	84.4	85.7	88.8	90.3	92.2	93.6	93.9	94.9	95.0	95.0	95.0	95.3	95.3	95.4
≥ 500	66.9	81.0	84.9	86.4	90.0	91.5	93.6	95.4	95.8	97.1	97.4	97.4	97.4	97.6	97.8	97.9
≥ 400	66.9	81.0	84.9	86.4	90.0	91.7	93.8	95.6	96.0	97.5	97.8	97.8	97.8	98.1	98.2	98.3
≥ 300	66.9	81.0	84.9	86.5	90.4	92.1	94.2	96.1	96.5	98.5	98.8	98.8	98.8	99.3	99.4	99.7
≥ 200	66.9	81.0	84.9	86.5	90.4	92.1	94.2	96.1	96.5	98.5	98.8	98.8	98.8	99.4	99.7	99.9
≥ 100	66.9	81.0	84.9	86.5	90.4	92.1	94.2	96.1	96.5	98.5	98.8	98.8	98.8	99.4	99.7	99.9
≥ 0	66.9	81.0	84.9	86.5	90.4	92.1	94.2	96.1	96.5	98.5	98.8	98.8	98.8	99.4	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 723

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WT

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.G.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.9	44.6	46.3	46.6	48.1	48.4	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	45.3	51.6	53.4	53.7	55.4	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	45.3	51.6	53.4	53.7	55.4	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 16000	45.3	51.6	53.4	53.7	55.4	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 14000	46.6	52.6	54.4	54.8	56.6	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	47.8	54.1	56.3	56.7	58.6	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	49.5	56.2	58.6	59.0	61.1	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	52.6	60.1	62.6	63.0	65.1	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 8000	54.0	62.0	64.7	65.1	67.2	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	54.2	62.4	65.2	65.6	67.7	68.0	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	54.9	64.8	67.9	68.3	70.4	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	55.1	66.6	70.1	70.5	72.6	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	56.6	67.2	70.7	71.1	73.2	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	58.1	68.8	72.3	72.7	74.8	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	60.1	71.2	74.8	75.4	77.5	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	63.0	74.3	78.0	78.6	80.8	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	66.2	78.6	82.5	83.0	85.3	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	68.0	81.2	85.1	85.8	88.0	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	68.8	82.5	86.8	87.6	89.8	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	70.0	84.4	88.6	89.4	91.7	92.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	70.7	85.5	90.0	91.0	93.5	93.9	94.2	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	71.1	86.6	91.2	92.2	95.0	95.4	95.7	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	71.5	87.2	91.8	92.8	95.5	96.4	96.8	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	71.5	87.2	91.8	92.8	95.5	96.4	96.8	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	71.5	87.3	91.9	93.0	95.8	96.7	97.2	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	71.5	87.3	92.1	93.5	96.2	97.1	97.6	98.1	98.1	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 500	71.6	87.5	92.2	93.8	96.4	97.2	97.8	98.5	98.5	99.0	99.0	99.0	99.0	99.2	99.2	99.2
≥ 400	71.9	87.8	92.5	93.9	96.7	97.5	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 300	71.9	87.8	92.5	93.9	96.7	97.5	98.1	98.9	98.9	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	71.9	87.8	92.5	93.9	96.7	97.5	98.1	98.9	98.9	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	71.9	87.8	92.5	93.9	96.7	97.5	98.1	98.9	98.9	99.7	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	71.9	87.8	92.5	93.9	96.7	97.5	98.1	98.9	98.9	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

713

2  
FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72645

AUSTIN STRAUBEL W I

74-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1700-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	41.1	45.7	47.6	48.1	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	47.4	52.5	54.7	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	47.4	52.5	54.7	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	47.4	52.5	54.7	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	47.4	53.1	55.3	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	46.8	54.0	56.3	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	49.3	55.8	58.2	59.2	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	51.3	58.2	60.8	61.9	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	53.3	60.7	63.5	64.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000	54.7	61.9	65.0	66.4	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	55.3	64.7	67.2	68.6	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000	57.5	66.8	70.1	71.5	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4500	58.9	68.2	71.5	72.9	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	62.1	71.4	74.7	76.1	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	65.4	75.3	79.4	80.8	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000	67.8	78.6	83.1	84.4	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	72.4	84.3	89.4	90.8	91.5	91.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	73.8	86.0	91.5	92.9	93.6	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	73.9	86.3	91.8	93.2	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	74.4	86.8	92.4	93.9	94.7	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	75.1	87.9	93.5	95.0	96.0	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	75.3	88.2	93.8	95.3	96.4	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	75.4	88.3	93.9	95.4	96.5	96.9	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	75.4	88.3	93.9	95.6	96.7	97.1	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	75.4	88.3	93.9	95.7	96.8	97.5	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	75.4	88.3	93.9	95.8	97.1	97.8	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.6	88.5	94.0	96.1	97.5	98.2	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72445

AUSTIN STRAUBEL WI

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	45.1	50.4	51.3	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 20000	51.7	57.2	59.3	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	51.7	57.2	59.3	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	51.7	57.4	59.4	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 14000	51.4	57.8	59.9	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	52.7	59.2	61.4	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	63.5	60.3	62.5	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	56.7	63.5	66.0	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	57.4	66.4	69.3	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	58.8	67.9	70.8	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	60.8	70.7	73.8	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	63.8	74.1	77.1	77.8	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	66.4	77.2	80.4	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	68.9	80.1	83.6	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	70.7	82.5	86.1	86.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	72.4	84.3	88.1	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	75.0	87.5	91.5	92.4	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	76.0	89.3	93.6	94.4	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	76.1	89.7	94.0	94.9	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	76.9	90.6	95.1	96.0	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	77.2	91.1	95.8	96.7	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	77.4	91.3	96.1	96.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	77.6	91.8	96.5	97.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	77.6	91.8	96.5	97.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	77.6	91.8	96.5	97.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	77.6	91.8	96.5	97.6	98.8	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	77.6	92.1	96.8	97.9	99.0	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	77.6	92.1	96.8	97.9	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	77.6	92.1	96.8	97.9	99.0	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.6	92.1	96.8	97.9	99.0	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.6	92.1	96.8	97.9	99.0	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.6	92.1	96.8	97.9	99.0	99.0	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

725

CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7243  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1830-2600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING	47.7	53.3	55.5	55.6	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 2000	52.6	59.2	61.9	62.0	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 1800	52.3	59.5	62.2	62.3	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1600	52.3	59.7	62.3	62.4	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1400	53.3	60.8	63.7	63.8	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 1200	55.6	62.7	66.1	66.2	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1000	59.1	67.5	70.9	71.2	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 900	60.8	69.1	73.0	73.6	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 800	62.6	71.3	75.5	76.2	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 700	64.7	73.6	77.7	78.4	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 600	66.8	75.8	80.4	81.1	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 500	70.1	79.3	84.1	84.8	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4500	71.2	80.7	85.5	86.2	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	72.6	82.5	87.6	88.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	73.4	83.6	88.7	89.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3000	74.4	84.7	90.3	91.0	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	75.5	86.0	91.5	92.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	76.6	87.6	93.3	94.0	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	76.6	87.9	93.6	94.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	77.3	88.7	94.4	95.1	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	77.6	89.0	94.7	95.4	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	77.7	89.6	95.3	96.0	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	78.1	90.0	95.7	96.4	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	78.1	90.0	95.7	96.4	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	78.0	90.4	96.1	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	78.2	90.5	96.2	96.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	78.2	90.5	96.2	96.9	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	78.2	90.7	96.4	97.1	98.3	99.0	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	78.2	90.7	96.4	97.1	98.5	99.2	99.2	99.2	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	78.2	90.7	96.4	97.1	98.5	99.2	99.2	99.2	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	78.2	90.7	96.4	97.1	98.5	99.2	99.2	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.2	90.7	96.4	97.1	98.5	99.2	99.2	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 719

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL #1  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	51.5	55.1	57.9	58.5	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	55.3	59.6	62.4	63.1	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	55.3	59.6	62.4	63.1	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	55.4	60.1	62.9	63.6	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	56.1	60.7	64.2	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	60.0	64.7	68.3	69.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	63.8	68.6	72.4	73.1	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 8000	66.1	71.4	75.1	75.8	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	68.2	73.6	77.6	78.8	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	69.7	76.0	80.0	81.1	81.7	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000	72.4	79.4	83.5	84.6	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4500	74.1	81.5	85.7	86.8	87.4	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	74.9	82.5	86.7	87.9	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	75.4	83.1	87.5	88.8	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	76.1	84.3	88.5	89.9	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	76.9	85.1	89.6	91.1	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	78.1	86.5	91.0	92.5	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	79.7	88.1	92.8	94.4	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	79.7	88.1	92.8	94.4	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	80.0	88.3	93.2	94.9	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	80.1	88.5	93.5	95.3	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	80.3	88.8	93.8	95.7	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	80.3	88.8	94.0	96.0	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	80.4	89.0	94.3	96.3	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	80.6	89.3	94.6	96.5	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	80.6	89.4	94.7	96.7	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	80.6	89.6	94.9	97.1	98.5	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	80.6	89.6	94.9	97.1	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	80.6	89.6	94.9	97.1	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	80.6	89.6	94.9	97.1	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	80.6	89.6	94.9	97.1	98.5	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 720

2

## 72445.

74-81

JL 4

STATION

STATION NAME

**YEARS**

**MONTH**

A 1 1

HOURS (L.G.V.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.9 47.8	49.5 55.2	51.3 57.3	51.9 58.1	52.7 59.0	53.0 59.3	53.2 59.6	53.3 59.7	53.4 59.7	53.5 59.9	53.5 59.9	53.5 59.9	53.5 59.9	53.6 60.0	53.6 60.0	53.6 60.0
N 18000 N 6500	49.9 49.9	55.3 55.4	57.4 57.5	58.1 58.2	59.1 59.2	59.3 59.4	59.6 59.7	59.8 59.9	59.8 59.9	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.1	60.0 60.2
N 14000 N 12000	50.7 52.6	56.3 58.4	58.6 61.8	59.3 61.6	60.3 62.7	60.6 62.9	60.9 63.2	61.0 63.3	61.0 63.4	61.2 63.5	61.2 63.5	61.2 63.5	61.2 63.5	61.3 63.6	61.3 63.6	61.3 63.7
N 12000 N 9500	55.1 57.3	61.6 64.3	64.1 67.3	64.9 67.9	66.1 69.1	66.4 69.3	66.7 69.7	66.8 69.9	66.9 69.9	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.1 70.1	67.2 70.2
N 8000 N 7000	59.1 60.5	66.7 68.5	69.6 71.5	70.6 72.6	71.8 73.8	72.1 74.1	72.5 74.5	72.6 74.7	72.7 74.7	72.9 74.9	72.9 74.9	72.9 74.9	72.9 74.9	72.9 75.0	72.9 75.0	73.0 75.0
N 6000 N 5000	62.4 64.6	71.1 73.7	74.2 77.0	75.3 78.1	76.6 79.5	76.9 79.7	77.3 80.1	77.5 80.3	77.5 80.4	77.7 80.5	77.7 80.5	77.7 80.5	77.7 80.5	77.8 80.6	77.8 80.6	77.8 80.7
N 4500 N 4000	65.8 67.2	75.1 76.7	78.4 80.1	79.5 81.3	80.8 82.7	81.1 83.0	81.5 83.4	81.7 83.6	81.7 83.7	81.9 83.9	81.9 83.9	81.9 83.9	81.9 83.9	82.0 84.0	82.0 84.0	82.1 84.0
N 3500 N 3000	68.5 69.9	78.2 79.9	81.9 83.7	83.1 85.0	84.5 86.4	84.8 86.7	85.2 87.1	85.4 87.4	85.5 87.4	85.7 87.6	85.7 87.6	85.7 87.6	85.7 87.6	85.8 87.7	85.8 87.7	85.8 87.8
N 2500 N 2000	71.8 73.1	82.3 84.1	86.2 88.2	87.5 89.7	89.1 91.3	89.4 91.7	89.9 92.2	90.2 92.5	90.2 92.5	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.5 92.8	90.5 92.8	90.5 92.8
N 1800 N 1500	73.4 74.2	84.6 85.6	88.8 89.9	90.3 91.4	91.9 93.1	92.3 93.5	92.9 94.1	93.1 94.4	93.2 94.4	93.4 94.6	93.4 94.6	93.4 94.6	93.4 94.6	93.5 94.7	93.5 94.7	93.5 94.8
N 1200 N 1000	74.6 74.8	86.2 86.7	90.7 91.3	92.4 93.1	94.2 94.9	94.6 95.4	95.2 96.0	95.6 96.4	95.6 96.5	95.8 96.7	95.8 96.8	95.8 96.8	95.8 96.8	95.9 96.9	95.9 96.9	96.0 96.9
N 900 N 800	75.0 75.1	87.0 87.1	91.7 91.7	93.5 93.6	95.4 95.5	95.9 96.0	96.5 96.6	96.9 97.1	97.0 97.1	97.3 97.4	97.3 97.5	97.3 97.5	97.3 97.5	97.4 97.6	97.4 97.6	97.5 97.6
N 700 N 600	75.0 75.1	87.2 87.3	91.8 92.3	93.7 94.0	95.7 96.0	96.2 96.6	96.9 97.3	97.4 97.8	97.5 97.8	97.8 98.2	97.8 98.2	97.8 98.2	97.8 98.2	97.9 98.3	97.9 98.3	98.0 98.4
N 500 N 400	75.1 75.2	87.4 87.4	92.1 92.2	94.2 94.2	96.3 96.3	96.9 96.9	97.7 97.9	98.2 98.5	98.3 98.6	98.7 99.0	98.7 99.1	98.7 99.1	98.7 99.1	98.9 99.3	98.9 99.3	99.0 99.3
N 300 N 200	75.2 75.2	87.4 87.4	92.2 92.2	94.3 94.3	96.5 96.5	97.0 97.0	98.0 98.0	98.7 98.7	98.8 98.9	99.4 99.4	99.5 99.5	99.5 99.5	99.5 99.5	99.7 99.8	99.7 99.8	99.8 99.9
N 100 0	75.2 75.2	87.4 87.4	92.2 92.2	94.3 94.3	96.5 96.5	97.0 97.0	98.0 98.0	98.7 98.7	98.9 98.9	99.4 99.4	99.5 99.5	99.5 99.5	99.5 99.5	99.8 99.9	99.8 99.9	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 5759USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

2  
FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457

AUSTIN STRAUBEL WI

74-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	51.5 55.1	57.5 61.6	67.3 64.7	63.6 68.3	64.2 69.0	64.4 69.1	65.2 70.0	65.2 70.0	65.2 70.0	65.3 70.2	65.5 70.3	65.5 70.3	65.5 70.3	65.5 70.3	65.5 70.3	65.6 70.4
≥ 18000 N 16000	55.1 55.4	61.6 61.8	64.7 64.9	68.3 68.5	69.0 69.2	69.1 69.4	70.0 70.3	70.0 70.3	70.0 70.3	70.2 70.4	70.3 70.6	70.3 70.6	70.3 70.6	70.3 70.6	70.3 70.6	70.4 70.7
≥ 14000 N 12000	55.9 58.3	62.5 65.1	65.6 68.1	69.4 72.3	70.0 73.1	70.2 73.3	71.1 74.3	71.1 74.3	71.1 74.3	71.2 74.5	71.4 74.6	71.4 74.6	71.4 74.6	71.4 74.6	71.4 74.6	71.5 74.7
≥ 10000 N 9000	50.1 61.4	67.9 70.2	71.0 73.5	75.3 77.8	76.5 79.0	76.6 79.2	78.0 80.5	78.0 80.5	78.0 80.5	78.1 80.6	78.2 80.8	78.2 80.8	78.2 80.8	78.2 80.8	78.2 80.8	78.4 80.9
≥ 8000 N 7000	62.4 64.2	71.1 73.0	74.5 76.5	78.9 80.9	80.1 82.1	80.2 82.3	81.6 83.6	81.6 83.6	81.6 83.6	81.7 83.7	81.9 83.9	81.9 83.9	81.9 83.9	81.9 83.9	81.9 83.9	82.0 84.0
≥ 6000 N 5000	65.6 67.1	74.3 76.1	77.8 79.7	82.5 84.5	83.7 85.8	84.0 86.0	85.3 87.5	85.3 87.5	85.3 87.5	85.5 87.6	85.6 87.8	85.6 87.8	85.6 87.8	85.6 87.8	85.6 87.8	85.8 87.9
≥ 4500 N 4000	67.6 69.5	76.7 78.8	80.5 82.5	85.5 87.6	86.7 88.8	87.0 89.1	88.4 90.7	88.4 90.7	88.4 90.7	88.6 90.9	88.7 91.0	88.7 91.0	88.7 91.0	88.7 91.0	88.7 91.0	88.8 91.1
≥ 3500 N 3000	70.6 71.2	80.0 80.9	83.7 84.8	88.8 90.1	90.1 91.3	90.3 91.5	92.1 93.4	92.1 93.4	92.1 93.4	92.2 93.5	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.5 93.8
≥ 2500 N 2000	72.0 72.4	82.3 83.1	86.2 87.0	91.5 92.5	92.9 93.8	93.1 94.1	95.0 96.0	95.0 96.0	95.0 96.0	95.2 96.1	95.3 96.2	95.3 96.2	95.3 96.2	95.3 96.2	95.3 96.2	95.4 96.4
≥ 1800 N 1500	72.7 72.8	83.3 83.6	87.2 87.5	92.9 93.1	94.2 94.5	94.5 94.8	96.4 96.6	96.4 96.6	96.4 96.6	96.5 96.8	96.6 96.9	96.6 96.9	96.6 96.9	96.6 96.9	96.6 96.9	96.8 97.0
≥ 1200 N 1000	73.7 73.8	84.4 84.8	88.3 88.7	94.2 94.6	95.6 96.0	95.8 96.2	97.7 98.1	97.7 98.3	97.7 98.3	97.8 98.4	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.0 98.5	98.1 98.7
≥ 900 N 800	73.8 73.8	85.1 85.1	89.1 89.2	94.9 95.2	96.2 96.5	96.5 96.8	98.4 98.7	98.5 98.8	98.5 98.8	98.7 98.9	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.9 99.2
≥ 700 N 600	73.8 73.8	85.1 85.1	89.2 89.2	95.2 95.2	96.5 96.9	96.8 97.2	98.7 99.1	98.8 99.2	98.8 99.2	98.9 99.3	99.1 99.5	99.1 99.5	99.1 99.5	99.1 99.5	99.1 99.5	99.2 99.6
≥ 500 N 400	73.8 73.8	85.1 85.1	89.2 89.2	95.2 95.2	96.9 96.9	97.2 97.2	99.1 99.1	99.2 99.2	99.2 99.2	99.3 99.3	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.6 99.6
≥ 300 N 200	73.8 73.9	85.1 85.2	89.2 89.4	95.2 95.3	96.9 97.0	97.2 97.3	99.1 99.2	99.2 99.3	99.2 99.3	99.3 99.5	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.6 99.7	99.7 99.9
≥ 100 N 0	73.9 73.9	85.2 85.2	89.4 89.4	95.3 95.3	97.0 97.0	97.3 97.3	99.2 99.2	99.3 99.3	99.3 99.3	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.7	99.7 99.7	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/PAW

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/16	≥ 0
NO CEILING	41.3	43.7	52.4	55.0	56.0	56.5	58.5	58.9	58.9	59.9	59.9	59.9	60.5	60.5	60.5	60.5
≥ 20000	44.2	52.6	56.3	59.0	60.2	60.6	62.6	63.0	63.0	64.2	64.2	64.2	64.8	64.8	64.8	64.8
≥ 18000	44.2	52.6	56.3	59.0	60.2	60.6	62.6	63.0	63.0	64.2	64.2	64.2	64.8	64.8	64.8	64.8
≥ 16000	44.2	52.6	56.3	59.0	60.2	60.6	62.6	63.0	63.0	64.2	64.2	64.2	64.8	64.8	64.8	64.8
≥ 14000	45.3	53.5	57.3	60.1	61.3	61.7	63.8	64.2	64.2	65.5	65.5	65.5	66.0	66.0	66.0	66.0
≥ 12000	48.7	57.7	61.6	64.4	65.6	66.3	68.1	68.7	68.7	69.9	69.9	69.9	70.4	70.4	70.4	70.4
≥ 10000	51.2	60.3	64.9	68.0	69.4	69.8	72.2	72.8	72.8	74.1	74.1	74.1	74.6	74.6	74.6	74.6
≥ 9000	52.3	62.2	67.1	70.2	71.5	71.9	74.3	75.0	75.0	76.2	76.2	76.2	76.7	76.7	76.7	76.7
≥ 8000	53.4	63.3	68.4	71.5	72.8	73.3	75.7	76.3	76.3	77.6	77.6	77.6	78.2	78.2	78.2	78.2
≥ 7000	54.7	64.9	70.0	73.1	74.5	74.9	77.6	78.2	78.2	79.4	79.4	79.4	80.1	80.1	80.1	80.1
≥ 6000	56.2	66.5	71.8	75.0	76.3	76.7	79.4	80.1	80.1	81.3	81.3	81.3	82.0	82.0	82.0	82.0
≥ 5000	57.5	68.0	73.3	76.6	78.0	78.4	81.0	81.7	81.7	82.9	82.9	82.9	83.6	83.6	83.6	83.6
≥ 4500	57.9	68.4	73.9	77.6	78.9	79.4	82.3	82.9	82.9	84.3	84.3	84.3	84.9	85.1	85.1	85.1
≥ 4000	61.0	71.8	77.3	81.2	82.7	83.2	86.3	87.0	87.0	88.3	88.3	88.3	89.1	89.2	89.2	89.2
≥ 3500	61.7	72.4	78.0	82.0	83.5	84.0	87.1	87.9	87.9	89.4	89.4	89.4	90.2	90.3	90.3	90.3
≥ 3000	62.8	73.7	79.3	83.3	84.8	85.3	88.4	89.2	89.2	90.9	90.9	90.9	91.7	91.8	91.8	91.8
≥ 2500	63.2	74.5	80.2	84.3	85.9	86.4	89.5	90.5	90.5	92.1	92.2	92.2	93.0	93.1	93.1	93.1
≥ 2000	63.3	74.7	80.6	84.8	86.4	87.0	90.1	91.1	91.1	92.7	92.9	92.9	93.7	93.8	93.8	93.8
≥ 1800	63.6	75.0	81.0	85.1	86.7	87.2	90.3	91.4	91.4	93.0	93.1	93.1	94.0	94.1	94.1	94.1
≥ 1500	64.1	75.7	81.7	85.8	87.4	87.9	91.0	92.1	92.1	93.7	93.8	93.8	94.6	94.8	94.8	94.8
≥ 1200	65.2	76.9	82.9	87.2	88.8	89.4	92.5	93.5	93.5	95.2	95.3	95.3	96.1	96.2	96.2	96.2
≥ 1000	65.2	77.0	83.2	87.5	89.1	89.7	92.7	93.8	93.8	95.4	95.6	95.6	96.4	96.5	96.5	96.5
≥ 900	65.2	77.3	83.6	88.0	89.7	90.2	93.3	94.4	94.4	96.0	96.1	96.1	96.9	97.0	97.0	97.0
≥ 800	65.2	77.4	83.9	88.3	89.9	90.7	93.8	94.9	94.9	96.5	96.6	96.6	97.4	97.6	97.6	97.6
≥ 700	65.2	77.4	83.9	88.3	90.1	90.9	94.0	95.0	95.0	96.6	96.8	96.8	97.6	97.7	97.7	97.7
≥ 600	65.2	77.4	84.0	88.7	90.5	91.3	94.4	95.4	95.4	97.0	97.2	97.2	98.0	98.1	98.1	98.1
≥ 500	65.2	77.4	84.0	88.7	90.5	91.3	94.4	95.6	95.6	97.2	97.3	97.3	98.1	98.3	98.3	98.3
≥ 400	65.2	77.4	84.0	88.8	90.6	91.4	94.5	95.7	95.7	97.3	97.4	97.4	98.3	98.4	98.4	98.4
≥ 300	65.2	77.4	84.0	88.8	90.6	91.5	94.6	96.0	96.0	97.6	97.7	97.7	98.7	98.9	99.1	99.1
≥ 200	65.2	77.4	84.0	88.8	90.6	91.5	94.6	96.0	96.0	97.7	97.8	97.8	98.8	99.1	99.2	99.2
≥ 100	65.2	77.4	84.0	88.8	90.6	91.7	94.8	96.1	96.1	97.8	98.0	98.0	99.1	99.3	99.5	99.6
≥ 0	65.2	77.4	84.0	88.8	90.6	91.7	94.8	96.1	96.1	97.8	98.0	98.0	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726433  
STATION

AUSTIN STRAUBEL MT  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 4	≥ 0
NO CEILING	35.3	45.7	48.9	50.4	52.3	53.5	55.0	56.2	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	39.1	50.3	53.8	55.6	57.5	58.7	60.3	61.6	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥ 18000	39.0	50.3	53.8	55.6	57.5	58.7	60.3	61.6	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	39.2	50.7	54.2	56.0	57.9	59.1	60.8	62.0	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	40.5	52.2	55.9	57.9	59.8	61.0	62.6	63.8	64.2	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 12000	42.6	55.6	59.5	61.7	63.7	64.9	66.5	67.7	68.1	68.7	68.8	68.8	68.8	68.8	68.8	68.8
≥ 10000	44.5	58.3	62.2	65.1	67.3	68.7	70.3	71.6	72.0	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	45.6	59.9	64.0	66.8	69.6	71.1	72.7	74.2	74.6	75.3	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	46.6	61.8	66.1	69.1	71.9	73.4	75.0	76.5	76.9	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	47.2	62.8	67.2	70.3	73.3	74.7	76.6	78.1	78.5	79.2	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	48.1	63.8	68.3	71.5	74.5	75.9	78.1	79.6	80.0	80.6	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	48.8	65.1	69.6	72.8	75.9	77.4	79.6	81.2	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4500	49.7	66.0	70.8	74.2	77.3	78.8	81.0	82.7	83.1	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	50.7	67.3	72.3	75.8	78.9	80.4	82.8	84.5	84.9	85.8	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3500	51.1	68.1	73.1	76.6	79.7	81.3	84.0	85.9	86.3	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	51.3	69.0	73.9	77.4	80.5	82.3	85.2	87.1	87.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	52.4	69.8	75.1	78.9	82.0	83.7	86.7	88.6	89.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	53.2	70.6	76.1	80.0	83.1	84.8	87.9	89.8	90.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	53.2	70.7	76.3	80.2	83.3	85.1	88.2	90.1	90.6	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	53.5	71.4	77.0	80.9	84.0	85.8	88.8	90.7	91.3	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	55.0	72.8	78.5	82.4	85.5	87.2	90.3	92.2	92.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	55.3	73.3	78.9	82.8	86.0	87.8	90.9	92.7	93.3	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	55.3	73.3	78.9	82.8	86.0	87.9	91.0	92.9	93.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800	55.1	73.5	79.3	83.3	86.6	88.6	91.8	93.7	94.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	55.1	73.7	79.4	83.9	87.2	89.5	92.7	94.6	95.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	55.1	73.9	80.1	84.7	88.0	90.6	93.8	95.7	96.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	55.1	73.9	80.1	84.8	88.3	91.1	94.4	96.4	96.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	55.1	73.9	80.1	84.9	88.4	91.3	94.5	96.5	97.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	55.1	73.9	80.1	84.9	88.4	91.3	94.6	96.8	97.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	55.1	73.9	80.1	84.9	88.4	91.3	94.6	96.8	97.3	98.9	99.2	99.2	99.2	99.3	99.5	99.5
≥ 100	55.1	73.9	80.1	84.9	88.4	91.3	94.6	96.8	97.3	98.9	99.2	99.2	99.2	99.5	99.6	99.7
≥ 0	55.1	73.9	80.1	84.9	88.4	91.3	94.6	96.8	97.3	98.9	99.2	99.2	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATTN: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	39.4	49.9	52.7	53.5	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	43.3	55.2	58.5	59.3	61.8	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 18000	43.3	55.2	58.5	59.3	61.8	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	43.3	55.2	58.5	59.3	61.8	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 14000	44.6	56.6	59.9	60.8	63.4	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	46.6	58.7	62.1	62.9	65.6	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000	48.9	61.4	64.9	66.1	69.0	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	50.0	64.0	67.5	68.7	71.5	71.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000	50.3	65.6	69.1	70.3	73.3	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	51.1	66.5	70.0	71.5	74.5	74.7	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	52.0	67.6	71.2	72.8	76.1	76.3	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	52.6	68.4	72.2	73.8	77.0	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	53.5	69.9	73.7	75.3	78.5	78.8	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	54.3	71.0	74.7	76.3	79.7	80.0	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3500	55.6	73.0	76.7	78.5	82.0	82.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	57.3	75.0	79.0	80.8	84.3	84.7	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	59.1	77.7	82.0	84.0	87.5	87.9	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	61.3	80.2	84.7	86.8	90.5	90.9	91.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	62.0	81.2	85.8	88.0	91.7	92.1	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	63.1	82.9	87.6	89.9	93.5	94.0	94.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	63.0	83.5	88.3	90.6	94.6	95.0	95.7	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	63.0	83.5	88.3	90.7	94.9	95.3	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	63.1	83.6	88.7	91.5	96.0	96.4	97.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	63.1	83.6	88.8	91.7	96.1	96.6	97.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	63.0	83.7	89.1	91.8	96.2	96.9	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	63.0	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	63.1	83.7	89.0	91.8	96.2	96.9	98.3	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.2	47.4	48.7	49.1	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	45.3	56.5	58.7	59.7	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 18000	45.3	56.5	58.7	59.7	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	45.3	56.5	58.7	59.7	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	46.3	57.5	59.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	47.3	59.1	61.6	62.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	50.9	63.8	66.7	67.6	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	51.7	65.1	67.9	68.8	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	52.4	66.5	69.8	70.7	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	53.0	67.2	70.4	71.6	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	54.0	68.5	71.9	73.1	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 5000	56.2	71.9	75.3	76.5	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4500	57.3	73.1	76.6	77.8	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	61.4	77.4	80.9	82.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	64.4	81.2	84.7	85.9	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3000	66.5	84.5	88.4	89.7	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	67.6	86.4	90.7	92.2	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	68.4	87.8	92.2	93.8	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	68.4	88.0	92.6	94.2	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	68.6	88.7	93.3	94.9	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200	68.8	88.7	93.3	94.9	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	69.3	88.8	93.4	95.3	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	69.3	88.8	93.5	95.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	69.3	88.8	93.5	95.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	69.0	88.8	93.5	95.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	69.0	89.0	93.7	95.8	98.9	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	69.0	89.1	94.0	96.1	99.2	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	69.0	89.1	94.0	96.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.0	89.1	94.0	96.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.0	89.1	94.0	96.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.0	89.1	94.0	96.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.0	89.1	94.0	96.1	99.2	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
 OFFICIAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

74-81  
 YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	44.9	50.8	52.0	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	51.7	59.9	61.7	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 16000	51.7	59.9	61.8	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 14000	51.7	59.9	61.8	63.0	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	52.2	61.0	63.0	64.2	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	53.5	62.5	64.7	65.9	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	55.9	65.9	68.0	69.2	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	56.9	67.3	69.6	71.0	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	57.8	69.4	71.6	73.0	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	58.1	69.6	71.9	73.4	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	60.5	72.2	74.6	76.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	63.3	75.4	78.1	79.7	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	66.4	78.9	81.7	83.3	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	69.1	82.1	85.2	86.8	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	71.1	84.5	87.9	89.5	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	71.6	86.3	89.7	91.3	93.3	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	72.4	87.9	91.3	93.0	95.2	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	72.6	88.3	92.5	94.2	96.4	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	72.6	88.7	93.1	94.9	97.2	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	73.1	89.0	93.4	95.2	97.6	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	73.1	89.1	93.5	95.3	97.7	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	73.1	89.1	93.5	95.3	97.7	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	73.1	89.1	93.5	95.3	97.7	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	73.1	89.1	93.5	95.3	97.8	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	73.3	89.2	93.7	95.4	98.0	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	73.4	89.5	94.0	95.7	98.3	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	73.4	89.5	94.0	95.7	98.3	98.7	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	73.4	89.5	94.0	95.7	98.3	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.4	89.5	94.0	95.7	98.3	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.4	89.5	94.0	95.7	98.3	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.4	89.5	94.0	95.7	98.3	98.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AD WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	48.7	55.8	58.1	58.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	55.6	64.7	67.5	69.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 18000	55.6	64.8	67.6	69.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IN 16000	55.3	65.2	68.3	69.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IN 14000	56.9	66.4	69.4	71.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IN 12000	59.1	69.1	72.1	73.8	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 10000	61.4	72.0	75.9	77.8	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 9000	62.5	73.4	77.3	79.2	80.5	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IN 8000	63.3	74.9	79.0	80.9	82.3	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IN 7000	64.2	75.8	80.0	81.9	83.2	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 6000	66.1	78.0	82.4	84.3	85.6	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IN 5000	67.3	80.8	85.5	87.6	89.4	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IN 4500	69.9	82.9	87.9	90.1	91.8	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IN 4000	70.7	84.0	89.0	91.1	92.9	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IN 3500	71.2	84.9	89.9	92.1	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IN 3000	71.9	86.0	91.0	93.1	94.9	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IN 2500	72.8	87.2	92.2	94.5	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IN 2000	72.8	87.6	92.7	95.0	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IN 1800	72.8	87.6	92.7	95.0	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IN 1500	73.3	88.0	93.1	95.4	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IN 1200	73.3	88.0	93.3	95.6	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IN 1000	73.3	88.0	93.3	95.6	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IN 900	73.3	88.0	93.3	95.6	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IN 800	73.3	88.0	93.3	95.6	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
IN 700	73.3	88.0	93.5	95.8	97.7	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IN 600	73.3	88.0	93.7	96.0	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IN 500	73.4	88.7	94.0	96.4	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IN 400	73.4	88.7	94.0	96.4	98.4	98.9	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IN 300	73.4	88.7	94.0	96.4	98.4	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	73.4	88.7	94.0	96.4	98.4	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	73.4	88.7	94.0	96.4	98.4	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	73.4	88.7	94.0	96.4	98.4	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72645  
STATION

ALSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	54.6 56.9	60.1 64.5	62.9 68.1	65.2 71.0	66.4 72.3	66.4 72.3	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6	66.7 72.6
≥ 18000 IV 16000	59.1 59.3	64.8 64.9	68.4 68.5	71.2 71.4	72.6 72.7	72.6 72.7	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0	72.8 73.0
IV 14000 IV 12000	60.5 62.4	66.5 68.5	70.2 72.4	73.1 75.4	74.5 77.0	74.5 77.0	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4	74.7 77.4
IV 10000 IV 9000	64.8 65.9	71.1 72.6	75.7 77.2	79.2 80.6	80.8 82.3	80.8 82.3	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7	81.2 82.7
IV 8000 IV 7000	67.1 68.3	73.8 75.0	78.6 80.1	82.4 84.0	84.0 85.6	84.0 85.6	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0	84.4 86.0
IV 6000 IV 5000	69.2 71.9	75.9 78.9	81.2 84.1	85.1 88.0	86.7 89.7	86.7 89.7	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1	87.1 90.1
IV 4500 IV 4000	73.1 73.4	80.2 80.8	85.8 86.7	89.7 90.6	91.3 92.2	91.3 92.2	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6	91.7 92.6
IV 3500 IV 3000	73.4 74.5	81.5 82.5	87.4 88.6	91.3 92.9	92.9 94.6	92.9 94.6	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0	93.3 95.0
IV 2500 IV 2000	74.7 75.4	82.8 83.6	88.8 89.7	93.4 94.2	95.2 96.0	95.2 96.0	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4	95.6 96.4
IV 1800 IV 1500	75.4 75.5	83.9 84.0	89.9 90.1	94.5 94.6	96.2 96.4	96.2 96.4	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8	96.6 96.8
IV 1200 IV 1000	75.8 76.2	84.4 84.9	90.6 91.1	95.2 95.7	96.9 97.4	96.9 97.4	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8	97.3 97.8
IV 900 IV 800	76.6 76.6	85.3 85.3	91.5 91.8	96.1 96.4	97.8 98.1	97.8 98.1	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5
IV 700 IV 600	76.7 76.7	85.5 85.6	91.9 92.1	96.5 96.6	98.4 98.7	98.4 98.7	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1	98.8 99.1
IV 500 IV 400	76.7 76.7	85.8 85.8	92.2 92.3	96.8 96.9	98.8 98.9	98.8 98.9	99.2 99.3	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5	99.2 99.5
IV 300 IV 200	76.7 76.7	85.8 85.8	92.5 92.5	97.0 97.0	99.1 99.1	99.1 99.1	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.7	99.9 100.0
IV 100 IV 0	76.7 76.7	85.8 85.8	92.5 92.5	97.0 97.0	99.1 99.1	99.1 99.1	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.7 99.9	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.4	52.0	54.5	56.0	57.2	57.4	58.0	58.2	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6
IN 20000	42.2	58.1	61.2	63.1	64.4	64.6	65.3	65.5	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9
IN 18000	49.2	58.2	61.2	63.2	64.4	64.7	65.4	65.6	65.6	65.8	65.9	65.9	65.9	65.9	65.9	66.0
IN 16000	42.3	58.4	61.4	63.3	64.6	64.8	65.5	65.7	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1
IN 14000	50.2	59.5	62.6	64.7	65.9	66.2	66.9	67.1	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IN 12000	52.3	62.1	65.3	67.4	68.7	69.0	69.7	69.9	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3
IN 10000	54.7	65.1	68.7	71.1	72.6	72.8	73.7	73.9	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3
IN 9000	55.8	66.8	70.5	72.9	74.6	74.9	75.7	76.0	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4
IN 8000	56.7	68.3	72.1	74.6	76.3	76.6	77.5	77.8	77.8	78.1	78.1	78.1	78.2	78.2	78.2	78.2
IN 7000	57.6	69.4	73.3	75.8	77.6	77.9	78.8	79.1	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6
IN 6000	59.0	70.9	74.9	77.6	79.4	79.7	80.7	81.0	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4
IN 5000	60.7	73.1	77.2	80.0	81.9	82.2	83.2	83.5	83.6	83.8	83.9	83.9	83.9	83.9	83.9	84.0
IN 4500	61.9	74.5	78.9	81.7	83.6	84.0	85.0	85.3	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8
IN 4000	63.6	76.6	81.1	84.0	86.0	86.4	87.5	87.8	87.9	88.2	88.2	88.2	88.3	88.3	88.3	88.3
IN 3500	64.9	78.2	82.7	85.6	87.7	88.1	89.2	89.6	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1
IN 3000	66.7	79.7	84.3	87.3	89.5	89.9	91.1	91.5	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.1
IN 2500	66.8	81.1	85.8	89.0	91.2	91.6	92.9	93.3	93.4	93.7	93.8	93.8	93.9	93.9	93.9	93.9
IN 2000	67.4	82.0	86.9	90.2	92.4	92.9	94.2	94.7	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.3
IN 1800	67.6	82.3	87.3	90.5	92.8	93.3	94.6	95.0	95.1	95.4	95.5	95.5	95.6	95.6	95.6	95.6
IN 1500	68.0	82.9	87.9	91.2	93.5	94.0	95.3	95.7	95.8	96.2	96.2	96.2	96.3	96.3	96.3	96.4
IN 1200	68.5	83.5	88.6	91.9	94.3	94.8	96.1	96.6	96.6	97.0	97.0	97.0	97.1	97.2	97.2	97.2
IN 1000	68.6	83.7	88.8	92.2	94.6	95.1	96.4	97.0	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.6
IN 900	68.8	83.8	89.0	92.5	94.9	95.4	96.8	97.3	97.4	97.7	97.8	97.8	97.9	97.9	97.9	98.0
IN 800	68.8	83.9	89.2	92.6	95.1	95.7	97.1	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2
IN 700	68.6	84.0	89.3	92.8	95.3	96.0	97.4	97.9	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.6
IN 600	68.7	84.1	89.4	93.0	95.6	96.3	97.7	98.3	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.0
IN 500	68.7	84.2	89.5	93.2	95.8	96.5	98.0	98.6	98.7	99.1	99.1	99.1	99.2	99.3	99.3	99.3
IN 400	68.7	84.2	89.6	93.2	95.9	96.6	98.1	98.8	98.8	99.3	99.3	99.3	99.4	99.5	99.5	99.5
IN 300	68.7	84.2	89.6	93.2	95.9	96.6	98.2	98.9	98.9	99.4	99.5	99.5	99.6	99.7	99.7	99.7
IN 200	68.7	84.2	89.6	93.3	95.9	96.7	98.2	98.9	99.0	99.4	99.5	99.5	99.6	99.7	99.8	99.8
IN 100	68.7	84.2	89.6	93.3	95.9	96.7	98.2	98.9	99.0	99.4	99.5	99.5	99.7	99.8	99.8	99.9
IN 0	68.7	84.2	89.6	93.3	95.9	96.7	98.2	98.9	99.0	99.4	99.5	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5952

2  
 JPL PAL CLIMATOLOGY BRANCH  
 WFF ETAC  
 AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70645

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-2400  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥4
NO CEILING	47.6	50.1	53.0	55.9	56.6	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
≥ 20000	51.2	53.8	56.9	60.2	61.0	62.0	62.5	62.6	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.2
≥ 18000	51.5	54.1	57.1	60.5	61.3	62.2	62.8	62.9	62.9	63.2	63.2	63.2	63.3	63.3	63.3	63.4
≥ 16000	52.1	54.6	57.7	61.0	61.8	62.8	63.3	63.4	63.4	63.7	63.7	63.7	63.8	63.8	64.0	64.0
≥ 14000	52.6	55.2	58.3	61.7	62.5	63.4	64.0	64.1	64.1	64.4	64.4	64.4	64.5	64.5	64.7	64.7
≥ 12000	54.8	57.8	61.1	64.5	65.3	66.3	66.8	66.9	66.9	67.2	67.2	67.2	67.3	67.3	67.5	67.5
≥ 10000	57.0	60.9	64.7	68.5	69.4	70.4	71.1	71.2	71.2	71.5	71.5	71.5	71.6	71.6	71.8	71.8
≥ 9000	58.2	62.9	66.9	71.4	72.2	73.3	74.1	74.2	74.2	74.5	74.5	74.5	74.6	74.6	74.7	74.7
≥ 8000	58.3	63.2	67.2	71.6	72.4	73.5	74.3	74.5	74.5	74.7	74.7	74.7	74.9	74.9	75.0	75.0
≥ 7000	59.3	64.5	68.5	73.0	73.8	74.9	75.8	75.9	75.9	76.2	76.2	76.2	76.3	76.3	76.5	76.5
≥ 6000	60.2	66.0	70.2	75.3	76.2	77.3	78.4	78.5	78.5	78.8	78.8	78.8	78.9	78.9	79.0	79.0
≥ 5000	60.3	67.2	71.6	76.9	77.8	78.9	80.0	80.1	80.1	80.4	80.4	80.5	80.5	80.5	80.6	80.6
≥ 4500	62.1	68.4	73.1	78.2	79.2	80.2	81.3	81.5	81.5	81.7	81.7	81.7	81.9	81.9	82.0	82.0
≥ 4000	62.6	69.2	73.8	79.0	80.0	81.0	82.1	82.3	82.3	82.5	82.5	82.5	82.7	82.7	82.8	82.8
≥ 3500	63.2	69.9	74.5	79.8	80.8	81.9	82.9	83.1	83.1	83.3	83.3	83.3	83.5	83.5	83.6	83.6
≥ 3000	64.1	71.2	75.8	81.5	82.4	83.5	84.7	84.8	84.8	85.1	85.1	85.1	85.2	85.2	85.3	85.3
≥ 2500	64.5	71.9	76.5	82.4	83.3	84.4	85.6	85.8	85.8	86.0	86.0	86.0	86.2	86.2	86.3	86.3
≥ 2000	65.9	73.1	77.8	83.9	85.1	86.2	87.4	87.5	87.5	87.9	87.9	87.9	88.0	88.0	88.2	88.2
≥ 1800	66.0	73.9	78.8	85.1	86.4	87.5	89.1	89.2	89.2	89.7	89.7	89.7	89.8	89.8	89.9	89.9
≥ 1500	66.3	75.0	79.8	86.6	87.9	89.0	90.6	90.7	90.7	91.1	91.1	91.1	91.3	91.3	91.4	91.4
≥ 1200	67.3	75.7	80.6	87.5	89.1	90.2	91.8	91.9	91.9	92.5	92.5	92.5	92.6	92.6	92.7	92.7
≥ 1000	68.1	76.3	81.6	88.6	90.6	91.7	93.4	93.5	93.5	94.1	94.1	94.1	94.2	94.2	94.4	94.4
≥ 900	68.1	76.5	81.7	88.7	90.7	91.8	93.5	93.7	93.7	94.2	94.2	94.2	94.4	94.4	94.5	94.5
≥ 800	68.3	76.6	82.1	89.5	91.8	92.9	94.6	94.8	94.8	95.4	95.4	95.4	95.6	95.6	95.7	95.7
≥ 700	68.3	76.6	82.1	89.7	92.1	93.1	94.9	95.0	95.0	95.7	95.7	95.7	95.8	95.8	96.0	96.0
≥ 600	68.4	76.7	82.1	90.1	92.5	93.5	95.6	95.7	95.7	96.5	96.5	96.5	96.6	96.6	96.8	96.8
≥ 500	68.4	76.9	82.4	90.3	92.7	93.8	96.2	96.4	96.4	97.3	97.4	97.4	97.6	97.6	97.7	97.7
≥ 400	68.4	76.9	82.4	90.5	93.1	94.4	97.0	97.2	97.2	98.1	98.3	98.3	98.4	98.4	98.5	98.5
≥ 300	68.4	76.9	82.4	90.5	93.1	94.5	97.2	97.4	97.4	98.4	98.5	98.5	98.7	98.7	98.8	98.8
≥ 200	68.4	76.9	82.4	90.5	93.1	94.5	97.2	97.4	97.4	98.7	98.8	98.8	99.1	99.1	99.2	99.2
≥ 100	68.4	76.9	82.4	90.5	93.1	94.5	97.2	97.4	97.4	98.7	98.8	98.8	99.5	99.5	99.6	99.6
≥ 0	68.4	76.9	82.4	90.5	93.1	94.5	97.2	97.4	97.4	98.7	98.8	98.8	99.5	99.5	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
744

STATION NAME  
AUSTIN STRAUBEL W I

YEARS  
74-81

MONTH  
AUG

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	41.3	46.9	50.0	51.7	52.2	52.7	53.9	54.2	54.2	54.7	54.7	54.7	54.7	55.8	55.9	56.1
≥ 20000	43.1	48.5	52.4	54.6	55.4	55.9	57.1	57.5	57.5	58.1	58.1	58.1	58.1	59.3	59.4	59.5
≥ 18000	43.1	48.5	52.4	54.6	55.4	55.9	57.1	57.5	57.5	58.1	58.1	58.1	58.1	59.3	59.4	59.5
≥ 16000	43.3	48.7	52.6	54.7	55.5	56.0	57.3	57.7	57.7	58.2	58.2	58.2	58.2	59.4	59.5	59.7
≥ 14000	43.4	48.8	52.7	54.8	55.6	56.2	57.4	57.8	57.8	58.3	58.3	58.3	58.3	59.5	59.7	59.8
≥ 12000	43.6	52.2	56.6	58.7	59.5	60.2	61.4	61.8	61.8	62.4	62.4	62.4	62.4	63.6	63.7	64.1
≥ 10000	47.8	55.1	60.1	62.2	63.2	64.0	65.6	66.0	66.0	66.5	66.5	66.5	66.5	67.7	67.9	68.3
≥ 9000	48.7	56.2	61.3	63.8	64.7	65.6	67.2	67.6	67.6	68.1	68.1	68.1	68.1	69.4	69.5	69.9
≥ 8000	48.7	56.5	63.6	66.1	66.9	68.0	69.6	70.0	70.0	70.6	70.6	70.6	70.6	71.8	71.9	72.3
≥ 7000	50.1	59.8	64.9	67.7	68.7	69.8	71.4	71.8	71.8	72.3	72.3	72.3	72.3	73.5	73.7	74.1
≥ 6000	52.2	61.4	66.5	69.4	70.4	71.5	73.3	73.7	73.7	74.2	74.2	74.2	74.2	75.4	75.5	75.9
≥ 5000	52.7	62.6	67.9	71.3	72.2	73.4	75.1	75.5	75.5	76.1	76.1	76.1	76.1	77.3	77.4	77.8
≥ 4500	53.1	63.4	68.7	71.9	73.1	74.3	76.1	76.5	76.5	77.0	77.0	77.0	77.0	78.2	78.4	78.8
≥ 4000	54.7	65.6	71.1	74.3	75.7	76.9	78.8	79.2	79.2	79.7	79.7	79.7	79.7	80.9	81.0	81.5
≥ 3500	55.1	65.9	71.2	75.0	76.3	77.7	79.7	80.1	80.1	80.6	80.6	80.6	80.6	81.9	82.0	82.4
≥ 3000	56.2	67.2	72.6	76.3	77.8	79.2	81.2	81.6	81.6	82.1	82.1	82.1	82.1	83.3	83.5	83.9
≥ 2500	56.3	67.5	73.3	77.6	79.0	80.4	82.4	82.8	82.8	83.3	83.3	83.3	83.3	84.5	84.7	85.1
≥ 2000	57.1	68.8	74.7	79.2	80.6	82.0	84.0	84.4	84.4	84.9	84.9	84.9	84.9	86.2	86.3	86.7
≥ 1800	57.7	69.4	75.3	79.7	81.5	82.8	84.8	85.2	85.2	85.8	85.8	85.8	85.8	87.0	87.1	87.5
≥ 1500	58.1	70.3	76.5	80.9	82.7	84.0	86.2	86.6	86.6	87.1	87.1	87.1	87.1	88.3	88.4	88.8
≥ 1200	58.7	71.4	77.7	82.5	84.3	85.8	87.9	88.3	88.3	88.8	88.8	88.8	88.8	90.1	90.2	90.6
≥ 1000	59.1	71.8	78.5	83.5	85.6	87.1	89.4	89.8	89.8	90.5	90.5	90.5	90.5	91.7	91.8	92.2
≥ 900	59.1	72.0	78.9	84.0	86.3	87.9	90.2	90.7	90.7	91.4	91.4	91.4	91.4	92.6	92.7	93.1
≥ 800	59.1	72.0	79.2	84.7	87.2	88.8	91.1	91.7	91.7	92.3	92.3	92.3	92.3	93.7	93.8	94.2
≥ 700	59.1	72.1	79.3	85.3	88.0	89.7	92.1	92.6	92.6	93.3	93.3	93.3	93.3	94.6	94.8	95.2
≥ 600	59.1	72.2	79.6	85.9	88.6	90.2	92.6	93.1	93.1	93.8	93.8	93.8	93.8	95.2	95.3	95.7
≥ 500	59.1	72.2	79.6	85.9	88.7	90.3	93.1	93.7	93.7	94.8	94.8	94.8	94.8	96.1	96.2	96.6
≥ 400	59.1	72.2	79.7	86.4	89.2	90.9	93.7	94.2	94.2	95.4	95.4	95.4	95.4	96.8	96.9	97.3
≥ 300	59.1	72.2	79.7	86.4	89.2	90.9	94.0	94.5	94.5	95.8	96.0	96.0	96.0	97.3	97.4	97.8
≥ 200	59.1	72.2	79.7	86.4	89.2	90.9	94.0	94.5	94.5	95.8	96.0	96.0	96.0	97.3	97.4	97.8
≥ 100	59.1	72.2	79.7	86.4	89.2	90.9	94.0	94.5	94.5	95.8	96.2	96.2	96.2	98.0	98.1	99.5
≥ 0	59.1	72.2	79.7	86.4	89.2	90.9	94.0	94.5	94.5	95.8	96.2	96.2	96.2	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMAT. CLIMATOLOGY BRANCH  
OFFICE  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720451  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-0600  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING ≥ 20000	31.7 33.5	37.9 42.2	40.7 45.6	41.4 46.5	42.9 48.1	43.1 48.5	43.4 48.8	44.6 50.1	44.6 50.3	45.7 51.5	46.2 52.0	46.2 52.0	46.5 52.3	46.5 52.3	47.2 52.8	47.0 52.5
≥ 18000 ≥ 6000	33.7 33.7	42.7 42.7	46.1 46.2	47.2 47.3	48.8 48.9	49.2 49.3	49.5 49.6	50.8 50.9	50.9 51.1	52.2 52.3	52.7 52.8	52.7 52.8	53.0 53.1	53.0 53.1	53.5 53.6	53.5 53.6
≥ 14000 ≥ 12000	34.4 35.6	43.8 45.6	47.6 50.1	48.7 51.2	50.3 53.0	50.7 53.6	50.9 53.9	52.3 55.2	52.4 55.4	53.6 56.6	54.2 57.1	54.2 57.1	54.4 57.4	54.4 57.4	55.0 57.9	55.0 57.9
≥ 10000 ≥ 9500	37.2 38.3	47.6 49.3	52.3 54.0	53.6 55.5	55.9 58.5	56.6 59.3	57.0 59.7	58.9 61.6	59.0 61.7	60.3 63.0	60.9 63.6	60.9 63.6	61.3 64.0	61.3 64.0	61.8 64.5	61.8 64.5
≥ 8000 ≥ 7000	40.1 40.7	51.3 52.2	56.3 57.1	57.8 58.7	61.2 62.1	62.0 62.9	62.4 63.3	64.2 65.2	64.4 65.5	65.7 66.8	66.3 67.3	66.3 67.3	66.7 67.7	66.7 67.7	67.2 68.3	67.2 68.3
≥ 6000 ≥ 5000	41.7 42.7	53.6 55.2	58.9 60.5	60.5 62.5	64.1 66.3	64.9 67.2	65.5 67.7	67.3 69.6	67.6 69.9	69.0 71.4	69.5 71.9	69.5 71.9	70.0 72.4	70.0 72.4	70.6 73.0	70.6 73.0
≥ 4500 ≥ 4000	43.4 44.4	56.3 57.9	61.7 63.3	64.0 65.7	67.7 69.6	68.7 70.6	69.2 71.1	71.1 73.1	71.4 73.4	72.8 74.9	73.4 75.4	73.4 75.4	73.9 75.9	73.9 75.9	74.5 76.5	74.5 76.5
≥ 3500 ≥ 3000	44.7 45.3	59.1 59.9	64.5 65.6	66.9 68.1	71.8 72.2	71.8 73.1	72.3 73.7	74.3 75.8	74.6 76.3	76.1 77.8	76.6 78.4	76.6 78.4	77.2 78.9	77.2 78.9	77.7 79.4	77.7 79.4
≥ 2500 ≥ 2000	45.6 46.0	60.5 61.7	66.1 67.6	68.7 70.4	72.7 74.5	73.9 75.7	74.6 76.5	76.9 78.8	77.4 79.3	79.0 80.9	79.6 81.5	79.6 81.5	80.1 82.0	80.1 82.0	80.6 82.5	80.6 82.5
≥ 1800 ≥ 1500	46.1 46.3	62.2 63.4	68.3 69.5	71.1 72.6	75.1 76.7	76.3 78.0	77.2 78.9	79.4 81.2	80.0 81.7	81.6 83.3	82.1 83.9	82.1 83.9	82.7 84.4	82.7 84.4	83.2 84.9	83.2 84.9
≥ 1200 ≥ 1000	47.3 48.1	63.8 65.2	70.6 72.2	73.9 75.5	78.2 80.0	79.4 81.2	80.4 82.3	82.7 84.7	83.2 85.2	84.9 87.0	85.5 87.5	85.5 87.5	86.0 88.0	86.0 88.0	86.6 88.6	86.6 88.6
≥ 900 ≥ 800	48.1 48.7	65.2 65.3	72.4 72.7	76.1 76.7	80.6 81.5	82.0 82.9	83.1 84.1	85.8 87.1	86.3 87.6	88.2 89.5	88.7 90.1	88.7 90.1	89.2 90.6	89.2 90.6	89.8 91.1	89.8 91.1
≥ 700 ≥ 600	48.3 48.3	65.3 65.5	72.7 72.8	77.0 77.3	81.7 82.0	83.3 83.6	84.7 85.2	87.8 88.6	88.3 89.1	90.6 91.5	91.1 92.1	91.1 92.1	91.7 92.6	91.7 92.6	92.2 93.1	92.2 93.1
≥ 500 ≥ 400	48.1 48.1	65.6 65.7	73.1 73.3	77.7 77.8	82.7 82.8	84.7 85.2	86.8 87.4	90.3 91.0	91.0 91.7	93.8 94.6	94.4 95.3	94.4 95.3	94.9 95.8	94.9 95.8	95.4 96.5	95.4 96.5
≥ 300 ≥ 200	48.1 48.1	65.7 65.7	73.3 73.3	77.8 77.8	83.1 83.1	85.5 85.5	87.6 87.6	91.8 91.8	92.5 92.5	95.4 95.6	96.2 96.5	96.2 96.5	97.0 97.4	97.0 97.4	97.7 98.5	97.7 98.5
≥ 100 ≥ 0	48.1 46.1	65.7 65.7	73.3 73.3	77.8 77.8	83.1 83.1	85.5 85.5	87.6 87.6	91.8 91.8	92.5 92.5	95.7 95.7	96.8 96.8	96.8 96.8	97.8 97.8	97.8 97.8	99.1 99.3	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.4	39.8	42.7	44.4	45.6	46.0	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	32.4	45.6	48.8	50.4	52.0	52.4	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	36.7	45.8	49.1	50.8	52.4	52.8	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	38.7	45.8	49.1	50.8	52.4	52.8	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	39.7	46.2	49.7	51.5	53.1	53.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	40.3	46.0	51.9	53.9	55.5	55.9	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	42.6	51.3	55.2	57.7	59.3	59.7	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 9000	43.7	53.1	57.1	59.5	61.2	61.6	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000	45.3	54.8	59.0	61.4	63.2	63.6	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	46.0	55.9	60.1	62.5	64.2	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 6000	47.2	57.4	61.6	64.0	65.7	66.3	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	46.5	59.1	63.4	65.9	67.6	68.1	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	49.5	60.1	64.5	67.1	69.0	69.6	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	50.5	62.0	66.5	69.2	71.2	71.9	73.0	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	51.1	62.5	67.2	70.0	72.0	72.7	73.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	53.2	64.8	69.5	72.6	74.6	75.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	54.6	66.8	71.8	75.0	77.4	78.1	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	56.0	69.6	74.9	78.2	81.2	82.0	83.3	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1800	56.7	70.4	75.7	79.2	82.1	82.9	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	57.4	71.9	77.2	80.8	83.9	84.7	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1200	57.5	72.7	78.2	82.0	85.2	86.0	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	58.2	74.6	80.1	84.0	87.6	88.4	91.1	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	56.2	74.9	80.5	84.4	88.2	89.0	91.9	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	58.2	75.5	81.3	85.9	89.8	90.6	93.7	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	58.2	75.5	81.5	86.2	90.1	90.9	94.4	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	56.2	75.5	81.5	86.6	90.5	91.3	95.0	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	58.2	75.5	81.5	87.0	91.0	91.8	95.7	97.4	97.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	56.2	75.5	81.6	87.1	91.3	92.3	96.2	98.1	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	58.3	75.7	81.7	87.2	91.4	92.5	96.4	98.4	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.3	75.7	81.7	87.2	91.4	92.5	96.4	98.4	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.3	75.7	81.7	87.2	91.4	92.5	96.4	98.4	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	58.3	75.7	81.7	87.2	91.4	92.5	96.4	98.4	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	33.6	39.5	41.0	41.4	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000 IV 16000	40.1	48.5	50.4	51.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000 IV 12000	41.1	49.6	51.5	52.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000 IV 9000	46.0	56.0	58.3	59.4	60.5	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000 IV 7000	48.1	58.9	61.2	62.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000 IV 5000	50.5	61.6	63.8	65.2	66.5	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500 IV 4000	54.3	65.9	68.3	69.6	71.1	71.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500 IV 3000	59.3	71.6	74.3	76.1	77.6	77.6	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500 IV 2000	62.9	77.2	80.5	82.7	84.3	84.3	84.9	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1800 IV 1500	64.8	80.0	83.6	85.9	87.6	87.9	88.7	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200 IV 1000	65.7	82.9	86.7	89.5	91.4	91.9	93.0	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900 IV 800	65.7	83.6	87.4	90.9	92.9	93.7	95.6	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700 IV 600	65.7	83.6	87.6	91.3	93.7	94.6	96.6	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500 IV 400	65.7	83.6	87.6	91.3	94.1	95.2	97.3	98.4	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300 IV 200	65.7	83.6	87.6	91.3	94.1	95.3	97.4	98.5	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 IV 0	65.7	83.6	87.6	91.3	94.1	95.3	97.4	98.5	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	37.0	43.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	45.7	54.2	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	45.7	54.2	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	45.7	54.2	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	45.6	55.0	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	47.0	57.0	59.7	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	49.6	60.2	62.9	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	52.0	63.3	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000	55.0	66.8	69.5	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	55.3	68.8	71.6	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	58.3	70.8	74.1	74.7	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	60.8	73.4	76.6	77.3	78.0	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500	62.6	75.5	78.8	79.4	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4000	65.2	78.2	81.5	82.7	83.7	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	67.1	80.2	83.5	84.7	85.8	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3000	68.1	82.3	85.6	87.0	88.0	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	69.2	83.7	87.4	89.0	90.3	90.9	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	69.6	84.4	88.3	90.1	91.4	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	69.6	84.5	88.6	90.3	92.1	92.7	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	69.8	84.9	89.0	91.0	92.7	94.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	69.8	85.3	89.4	91.4	93.4	94.9	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	69.8	85.5	89.5	91.9	94.0	95.6	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	69.8	85.5	89.5	91.9	94.0	95.6	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	69.8	85.5	89.5	92.1	94.4	96.0	96.4	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	69.8	85.5	89.5	92.1	94.4	96.2	96.8	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.8	85.5	89.7	92.3	94.6	96.8	97.3	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL #1  
STATION NAME

74-61  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	45.3	51.7	54.1	55.5	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3
≥ 20000	21.6	58.6	61.7	63.8	64.6	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.2
≥ 18000	51.3	58.8	61.9	64.1	64.9	64.9	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5
≥ 16000	52.0	59.0	62.1	64.2	65.0	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6
≥ 14000	52.5	59.6	62.9	65.0	65.9	65.9	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 12000	54.7	62.6	66.0	68.2	69.0	69.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5
≥ 10000	56.4	65.2	68.7	71.3	72.1	72.1	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
≥ 9000	59.0	67.7	71.5	74.1	74.9	74.9	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 8000	60.1	69.9	74.0	76.5	77.3	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
≥ 7000	61.1	71.5	75.7	78.3	79.2	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8
≥ 6000	63.2	73.7	78.1	80.7	81.6	81.6	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
≥ 5000	64.2	74.9	79.5	82.3	83.4	83.4	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2
≥ 4500	65.5	76.1	80.7	83.7	84.9	84.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 4000	66.3	77.1	81.9	85.2	86.4	86.4	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
≥ 3500	67.6	78.7	83.5	87.0	88.3	88.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 3000	68.0	79.2	84.1	87.6	88.8	88.8	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 2500	68.6	80.2	85.2	88.7	90.0	90.0	90.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5
≥ 2000	68.7	80.6	85.8	89.3	90.7	90.7	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2
≥ 1800	68.7	81.0	86.2	89.7	91.5	91.5	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
≥ 1500	68.8	81.2	86.5	90.1	92.0	92.0	92.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 1200	68.8	81.4	86.6	90.3	92.3	92.3	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8
≥ 1000	68.8	81.5	86.9	90.7	92.8	93.0	93.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.9
≥ 900	68.8	81.8	87.2	91.2	93.4	93.5	94.2	95.3	95.3	96.1	96.1	96.1	96.1	96.1	96.1	96.2
≥ 800	68.8	82.1	87.4	91.6	93.8	93.9	94.6	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.6
≥ 700	68.8	82.3	87.7	92.2	94.3	94.5	95.1	96.4	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 600	68.8	82.3	87.7	92.4	94.6	95.0	95.8	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.7
≥ 500	68.8	82.3	87.7	92.4	94.7	95.3	96.4	98.2	98.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 400	69.6	82.3	87.7	92.4	94.7	95.3	96.4	98.4	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 300	69.8	82.3	87.7	92.4	94.7	95.3	96.4	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 200	69.8	82.3	87.7	92.4	94.7	95.3	96.4	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 100	69.8	82.3	87.7	92.4	94.7	95.3	96.4	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	100.0
≥ 0	69.8	82.3	87.7	92.4	94.7	95.3	96.4	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 741

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72445L  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

AUG  
MONTH

2100-2300  
HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	46.6	52.0	54.1	56.7	57.1	57.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	51.7	57.6	59.8	63.0	63.4	63.4	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 18000	51.6	58.2	60.3	63.6	64.0	64.0	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	51.6	58.2	60.3	63.6	64.0	64.0	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	52.4	59.0	61.3	65.0	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	54.5	61.3	63.6	67.5	67.9	67.9	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	57.2	64.2	66.8	71.0	71.4	71.4	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	58.8	66.3	69.6	74.0	74.4	74.4	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000	59.4	67.1	70.6	74.9	75.6	75.6	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	61.7	69.0	72.5	76.9	77.9	77.9	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000	62.8	71.3	74.5	78.9	79.9	79.9	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	64.0	73.1	76.8	81.4	82.3	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500	64.3	74.1	77.7	82.5	83.5	83.5	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000	65.3	74.8	78.5	83.4	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	66.4	76.0	79.8	84.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	67.7	77.5	81.5	86.6	87.9	87.9	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	68.6	78.7	82.9	88.1	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	69.1	79.6	83.8	89.5	90.7	90.7	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	69.2	79.9	84.3	90.0	91.4	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	69.6	80.7	85.3	91.0	92.3	92.3	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	69.9	81.2	85.8	91.5	92.8	92.8	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	69.9	81.5	86.4	92.6	94.1	94.1	94.5	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	69.9	81.8	86.6	92.8	94.3	94.3	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	69.9	81.8	86.8	93.1	94.6	94.6	95.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	69.9	81.8	86.8	93.4	95.0	95.0	95.7	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	69.9	81.9	86.9	94.1	95.7	95.8	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	69.9	81.9	87.2	94.5	96.4	96.5	97.6	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	69.9	81.9	87.2	94.6	96.6	96.8	98.0	98.7	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	69.9	81.9	87.2	94.7	96.8	96.9	98.1	98.8	98.8	99.3	99.6	99.6	99.9	99.9	99.9	99.9
≥ 200	69.9	81.9	87.2	94.7	96.8	96.9	98.1	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0
≥ 100	69.9	81.9	87.2	94.7	96.8	96.9	98.1	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0
≥ 0	69.9	81.9	87.2	94.7	96.8	96.9	98.1	98.8	98.8	99.3	99.6	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 741

2  
JULIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72445

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	39.7	45.2	47.6	49.0	49.7	50.0	50.3	50.6	50.6	50.6	50.8	50.8	51.0	51.0	51.1	51.2
≥ 20000	44.2	51.1	54.0	55.8	56.7	57.0	57.3	57.7	57.7	57.7	58.0	58.0	58.0	58.2	58.2	58.4
≥ 18000	44.4	51.3	54.3	56.1	57.0	57.3	57.6	58.0	58.0	58.0	58.2	58.3	58.3	58.5	58.5	58.6
≥ 16000	44.5	51.4	54.4	56.2	57.1	57.4	57.7	58.1	58.1	58.1	58.4	58.4	58.4	58.6	58.6	58.8
≥ 14000	45.1	52.2	55.2	57.1	58.0	58.3	58.6	59.0	59.0	59.2	59.3	59.3	59.5	59.5	59.6	59.6
≥ 12000	46.3	54.4	57.8	59.8	60.7	61.0	61.4	61.7	61.7	62.0	62.1	62.1	62.3	62.3	62.4	62.4
≥ 10000	49.3	57.6	61.1	63.4	64.4	64.8	65.3	65.7	65.7	66.0	66.0	66.0	66.2	66.2	66.3	66.4
≥ 9000	50.8	59.7	63.5	65.9	67.0	67.4	67.9	68.3	68.3	68.6	68.7	68.7	68.9	68.9	69.0	69.0
≥ 8000	52.1	61.4	65.3	67.7	69.0	69.4	69.9	70.3	70.3	70.6	70.7	70.7	70.9	70.9	71.0	71.1
≥ 7000	53.2	62.8	66.7	69.3	70.6	71.0	71.5	72.0	72.0	72.3	72.3	72.3	72.6	72.6	72.7	72.7
≥ 6000	54.5	64.4	68.4	71.1	72.5	72.9	73.5	73.9	74.0	74.3	74.3	74.3	74.6	74.6	74.7	74.7
≥ 5000	55.7	66.1	70.3	73.1	74.5	75.0	75.7	76.1	76.2	76.5	76.5	76.5	76.8	76.8	76.9	76.9
≥ 4500	56.9	67.5	71.7	74.5	76.1	76.6	77.2	77.7	77.7	78.1	78.1	78.1	78.4	78.4	78.5	78.5
≥ 4000	58.3	69.3	73.6	76.7	78.3	78.9	79.5	80.1	80.1	80.4	80.5	80.5	80.7	80.7	80.8	80.9
≥ 3500	59.3	70.5	74.8	78.0	79.7	80.2	80.9	81.5	81.5	81.8	81.9	81.9	82.1	82.1	82.2	82.3
≥ 3000	60.5	72.1	76.5	79.9	81.5	82.1	82.9	83.4	83.5	83.8	83.9	83.9	84.1	84.1	84.2	84.3
≥ 2500	61.3	73.3	77.9	81.5	83.3	83.9	84.7	85.4	85.4	85.8	85.8	85.8	86.1	86.1	86.2	86.2
≥ 2000	62.1	74.6	79.4	83.2	85.1	85.7	86.5	87.2	87.3	87.7	87.7	87.7	88.0	88.0	88.1	88.1
≥ 1800	62.3	75.2	80.1	83.9	86.0	86.6	87.6	88.3	88.3	88.7	88.7	88.7	89.0	89.0	89.1	89.2
≥ 1500	62.8	76.1	81.1	85.1	87.2	88.0	89.0	89.7	89.8	90.2	90.2	90.2	90.5	90.5	90.6	90.6
≥ 1200	63.1	76.8	82.3	86.1	88.3	89.2	90.3	91.1	91.1	91.5	91.6	91.6	91.8	91.8	91.9	92.0
≥ 1000	63.4	77.5	82.8	87.1	89.6	90.5	91.9	92.7	92.8	93.2	93.3	93.3	93.5	93.5	93.6	93.7
≥ 900	63.5	77.6	83.0	87.5	90.0	91.0	92.4	93.3	93.4	93.9	94.0	94.0	94.2	94.2	94.3	94.4
≥ 800	63.5	77.8	83.3	88.1	90.8	91.8	93.3	94.3	94.4	95.0	95.0	95.0	95.3	95.3	95.4	95.5
≥ 700	63.5	77.8	83.4	88.4	91.2	92.2	93.8	94.9	95.0	95.7	95.7	95.7	96.0	96.0	96.1	96.1
≥ 600	63.5	77.9	83.5	88.7	91.5	92.6	94.4	95.6	95.7	96.5	96.6	96.6	96.8	96.8	96.9	97.0
≥ 500	63.5	77.9	83.6	88.9	91.9	93.0	95.1	96.4	96.5	97.6	97.7	97.7	98.0	98.0	98.1	98.1
≥ 400	63.5	78.0	83.6	89.1	92.1	93.4	95.4	96.8	96.9	98.1	98.3	98.3	98.6	98.6	98.7	98.8
≥ 300	63.5	78.0	83.7	89.1	92.1	93.4	95.5	97.0	97.1	98.5	98.7	98.7	99.1	99.1	99.2	99.3
≥ 200	63.5	78.0	83.7	89.1	92.1	93.4	95.5	97.1	97.2	98.5	98.8	98.8	99.2	99.2	99.4	99.4
≥ 100	63.5	78.0	83.7	89.1	92.1	93.4	95.5	97.1	97.2	98.6	98.9	98.9	99.4	99.4	99.6	99.9
≥ 0	63.5	78.0	83.7	89.1	92.1	93.4	95.5	97.1	97.2	98.6	98.9	98.9	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 5946

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	50.7 51.1	52.8 53.9	54.4 55.6	54.7 56.1	55.4 56.7	55.4 56.7	55.6 56.8	55.6 56.8	55.6 56.8	55.7 56.9	56.1 57.4	56.1 57.4	56.1 57.4	56.1 57.4	56.1 57.4	56.1 57.4
≥ 18000 ≥ 16000	51.1 51.1	53.9 53.9	55.6 55.6	56.1 56.1	56.7 56.7	56.7 56.7	56.8 56.8	56.8 56.8	56.8 56.8	56.9 56.9	57.4 57.4	57.4 57.4	57.4 57.4	57.4 57.4	57.4 57.4	57.4 57.4
≥ 14000 ≥ 12000	52.1 53.5	54.6 56.0	56.3 57.6	56.7 58.1	57.4 58.8	57.4 58.8	57.5 58.9	57.5 58.9	57.5 58.9	57.6 59.0	58.1 59.4	58.1 59.4	58.1 59.4	58.1 59.4	58.1 59.4	58.1 59.4
≥ 10000 ≥ 9000	56.0 58.3	58.5 61.1	60.1 62.8	60.6 63.2	61.3 63.9	61.3 63.9	61.4 64.0	61.4 64.0	61.4 64.0	61.5 64.2	61.9 64.6	61.9 64.6	61.9 64.6	61.9 64.6	61.9 64.6	61.9 64.6
≥ 8000 ≥ 7000	60.3 63.0	63.3 66.1	65.0 68.1	65.4 68.6	66.1 69.3	66.1 69.3	66.4 69.6	66.4 69.6	66.4 69.6	66.5 69.7	66.9 70.1	66.9 70.1	66.9 70.1	66.9 70.1	66.9 70.1	66.9 70.1
≥ 6000 ≥ 5000	64.3 66.7	67.6 71.1	69.6 73.1	70.1 73.9	70.8 74.6	70.8 74.6	71.1 74.9	71.1 74.9	71.1 74.9	71.3 75.0	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4	71.7 75.4
≥ 4500 ≥ 4000	67.6 68.1	72.5 73.2	74.4 75.4	75.3 76.7	76.1 77.8	76.1 77.8	76.4 78.1	76.4 78.1	76.4 78.1	76.5 78.2	76.9 78.6	76.9 78.6	76.9 78.6	76.9 78.6	76.9 78.6	76.9 78.6
≥ 3500 ≥ 3000	68.8 69.2	74.0 74.7	76.4 77.5	77.8 79.2	78.9 80.3	78.9 80.3	79.2 80.6	79.2 80.6	79.2 80.6	79.3 80.7	79.7 81.1	79.7 81.1	79.7 81.1	79.7 81.1	79.7 81.1	79.7 81.1
≥ 2500 ≥ 2000	70.8 72.2	77.4 79.2	80.3 82.1	82.2 84.2	83.5 85.6	83.5 85.6	83.8 86.0	83.8 86.0	83.8 86.0	83.9 86.1	84.3 86.5	84.3 86.5	84.3 86.5	84.3 86.5	84.3 86.5	84.3 86.5
≥ 1800 ≥ 1500	72.9 73.5	79.9 81.1	82.8 84.0	84.9 86.3	86.3 87.6	86.3 87.6	86.8 88.3	86.8 88.3	86.8 88.3	86.9 88.5	87.4 88.9	87.4 88.9	87.4 88.9	87.4 88.9	87.4 88.9	87.4 88.9
≥ 1200 ≥ 1000	74.6 74.7	82.4 82.6	85.4 85.7	87.6 87.9	89.0 89.6	89.0 89.6	89.7 90.4	89.7 90.4	89.7 90.4	89.9 90.6	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0	90.3 91.0
≥ 900 ≥ 800	74.9 75.0	82.9 83.3	86.1 86.9	88.3 89.3	90.0 91.1	90.0 91.1	91.0 92.1	91.0 92.1	91.0 92.1	91.1 92.2	91.5 92.6	91.5 92.6	91.5 92.6	91.5 92.6	91.5 92.6	91.5 92.6
≥ 700 ≥ 600	75.1 75.1	83.8 84.0	87.8 88.6	90.1 91.3	91.9 93.1	91.9 93.1	92.9 94.3	92.9 94.3	92.9 94.3	93.1 94.6	93.5 95.0	93.5 95.0	93.5 95.0	93.5 95.0	93.5 95.0	93.5 95.0
≥ 500 ≥ 400	75.3 75.3	84.1 84.4	89.2 89.3	91.8 92.2	93.8 94.2	93.8 94.3	95.1 95.7	95.1 95.7	95.1 95.7	95.4 96.0	95.8 96.4	95.8 96.4	96.0 96.5	96.0 96.5	96.0 96.5	96.0 96.5
≥ 300 ≥ 200	75.3 75.3	84.7 84.7	89.7 89.7	92.8 92.8	94.7 94.7	94.9 94.9	96.3 96.5	96.4 96.7	96.4 96.7	97.1 97.5	97.5 98.1	97.5 98.1	97.8 98.6	97.8 98.8	97.8 98.8	97.8 98.8
≥ 100 0	75.3 75.1	84.7 84.7	89.7 89.7	92.8 92.8	94.7 94.7	94.9 94.9	96.5 96.5	96.7 96.7	96.7 96.7	97.8 97.8	98.3 98.3	98.3 98.3	98.9 98.9	99.0 99.0	99.0 99.0	99.0 100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72457  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

73-80  
 YEARS

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0500  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	47.5	50.3	51.7	52.9	53.5	53.5	54.0	54.0	54.0	54.2	54.2	54.2	54.3	54.3	54.3	55.1
≥ 20000	49.2	52.5	53.9	55.6	56.1	56.1	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	57.8
≥ 18000	49.2	52.5	53.9	55.6	56.1	56.1	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	57.8
≥ 16000	49.2	52.5	53.9	55.6	56.1	56.1	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	57.8
≥ 14000	49.4	52.9	54.3	56.0	56.5	56.5	57.1	57.1	57.1	57.2	57.2	57.2	57.4	57.4	57.4	58.2
≥ 12000	50.1	54.0	55.4	57.5	58.1	58.1	58.6	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	59.7
≥ 10000	53.5	57.4	58.8	60.8	61.4	61.4	61.9	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.2	63.1
≥ 9000	55.4	59.4	60.8	62.9	63.5	63.5	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	65.1
≥ 8000	56.1	60.3	61.7	64.0	64.6	64.6	65.4	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	66.5
≥ 7000	57.8	62.1	63.6	66.0	66.7	66.7	67.5	67.5	67.5	67.6	67.6	67.6	67.8	67.8	67.8	68.6
≥ 6000	59.3	64.3	65.6	67.9	68.8	68.8	69.6	69.6	69.6	69.7	69.7	69.7	69.9	69.9	69.9	70.7
≥ 5000	61.5	66.9	68.5	70.8	71.7	71.7	72.5	72.5	72.5	72.6	72.6	72.6	72.8	72.8	72.8	73.6
≥ 4500	62.5	68.6	70.1	72.6	73.8	73.8	74.6	74.6	74.6	74.7	74.7	74.7	74.9	74.9	74.9	75.7
≥ 4000	63.5	70.1	72.1	74.6	75.7	75.7	76.5	76.5	76.5	76.7	76.7	76.7	76.8	76.8	76.8	77.6
≥ 3500	64.3	71.1	73.1	75.6	76.7	76.7	77.5	77.5	77.5	77.6	77.6	77.6	77.8	77.8	77.8	78.6
≥ 3000	64.9	72.4	74.4	76.9	78.2	78.2	79.0	79.0	79.0	79.2	79.2	79.2	79.3	79.3	79.3	80.1
≥ 2500	65.8	74.0	76.4	78.9	80.1	80.1	81.0	81.0	81.0	81.1	81.1	81.1	81.3	81.3	81.3	82.1
≥ 2000	67.2	76.5	79.2	82.2	83.5	83.5	84.4	84.4	84.4	84.6	84.6	84.6	84.7	84.7	84.7	85.6
≥ 1800	68.1	77.6	80.4	83.8	85.0	85.0	86.0	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.3	87.1
≥ 1500	69.3	79.3	82.4	85.7	86.9	86.9	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	89.0
≥ 1200	69.9	80.3	83.3	86.7	87.9	87.9	89.0	89.0	89.0	89.2	89.2	89.2	89.3	89.3	89.3	90.1
≥ 1000	70.0	80.7	83.9	87.4	88.6	88.6	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	91.0
≥ 900	70.0	80.8	84.0	87.5	88.8	88.8	90.0	90.0	90.0	90.1	90.1	90.1	90.3	90.3	90.3	91.1
≥ 800	70.1	81.4	84.6	88.5	90.1	90.1	91.4	91.4	91.4	91.5	91.5	91.5	91.7	91.7	91.7	92.5
≥ 700	70.3	81.5	85.4	89.3	91.0	91.0	92.4	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	93.5
≥ 600	70.3	81.7	85.7	89.7	91.4	91.4	92.9	92.9	92.9	93.1	93.1	93.1	93.2	93.2	93.2	94.0
≥ 500	70.3	81.7	85.7	89.9	91.5	91.5	93.1	93.1	93.1	93.2	93.2	93.2	93.8	93.8	93.8	94.6
≥ 400	70.3	81.8	86.0	90.1	91.8	91.8	93.3	93.3	93.3	93.6	93.6	93.6	94.2	94.2	94.2	95.0
≥ 300	70.3	81.9	86.4	90.7	92.4	92.4	94.0	94.0	94.0	94.7	94.9	94.9	95.4	95.4	95.4	96.3
≥ 200	70.3	81.9	86.4	90.8	92.5	92.5	94.2	94.2	94.2	95.4	95.6	95.6	96.1	96.4	96.7	97.6
≥ 100	70.3	81.9	86.4	90.8	92.5	92.5	94.2	94.2	94.2	95.7	95.8	95.8	96.8	97.1	97.6	99.4
≥ 0	70.3	81.9	86.4	90.8	92.5	92.5	94.2	94.2	94.2	95.7	95.8	95.8	96.8	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72645-  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	36.4	42.9	45.3	45.8	46.9	47.5	47.9	48.1	48.3	48.5	48.5	48.5	48.8	48.8	48.8	49.3
≥ 20000	39.2	46.3	49.1	49.6	50.8	51.4	51.8	51.9	52.2	52.4	52.4	52.4	52.6	52.6	52.6	53.2
≥ 18000	39.3	46.4	49.2	49.7	51.0	51.5	51.9	52.1	52.4	52.5	52.5	52.5	52.8	52.8	52.8	53.3
≥ 16000	39.4	46.5	49.3	49.9	51.1	51.7	52.1	52.2	52.5	52.6	52.6	52.6	52.9	52.9	52.9	53.5
≥ 14000	39.4	46.7	49.4	50.0	51.3	51.8	52.2	52.4	52.6	52.8	52.8	52.8	53.1	53.1	53.1	53.6
≥ 12000	41.1	48.8	51.8	52.6	53.9	54.4	55.0	55.1	55.4	55.6	55.6	55.6	55.8	55.8	55.8	56.4
≥ 10000	42.8	51.0	54.0	55.3	56.7	57.2	57.9	58.1	58.5	58.9	58.9	58.9	59.2	59.2	59.2	59.7
≥ 9000	43.3	52.6	55.8	57.1	58.5	59.2	59.9	60.0	60.4	60.8	60.8	60.8	61.1	61.1	61.1	61.7
≥ 8000	45.4	54.6	57.8	59.3	60.7	61.4	62.1	62.2	62.6	63.1	63.1	63.1	63.3	63.3	63.3	63.9
≥ 7000	48.2	57.6	61.1	62.6	64.2	64.9	65.6	65.7	66.1	66.7	66.7	66.7	66.9	66.9	66.9	67.5
≥ 6000	49.4	59.7	63.2	64.7	66.4	67.2	68.1	68.2	68.6	69.2	69.2	69.2	69.4	69.4	69.4	70.0
≥ 5000	50.6	61.1	64.6	66.1	67.9	68.9	69.9	70.0	70.4	71.1	71.1	71.1	71.4	71.4	71.4	71.9
≥ 4500	51.3	61.8	65.4	67.2	69.2	70.6	71.5	71.7	72.1	72.8	72.8	72.8	73.1	73.1	73.1	73.6
≥ 4000	52.1	62.8	66.5	68.5	70.6	71.9	72.9	73.1	73.5	74.2	74.2	74.2	74.4	74.4	74.4	75.0
≥ 3500	52.4	63.2	66.9	69.0	71.1	72.5	73.8	73.9	74.3	75.0	75.0	75.0	75.3	75.3	75.3	75.8
≥ 3000	53.9	65.0	68.8	70.8	72.9	74.3	75.7	75.8	76.3	76.9	76.9	76.9	77.2	77.2	77.2	77.8
≥ 2500	55.0	66.4	70.1	72.4	74.6	76.0	77.4	77.5	77.9	78.6	78.6	78.6	78.9	78.9	78.9	79.4
≥ 2000	56.5	68.5	72.2	75.0	77.5	79.2	80.7	80.8	81.3	81.9	81.9	81.9	82.2	82.2	82.2	82.8
≥ 1800	57.1	69.0	72.8	75.7	78.2	79.9	81.4	81.5	81.9	82.9	82.9	82.9	83.2	83.2	83.2	83.8
≥ 1500	58.9	70.8	74.6	77.6	80.1	81.8	83.6	83.8	84.2	85.1	85.1	85.1	85.4	85.4	85.4	86.0
≥ 1200	59.3	71.4	75.1	78.2	80.8	82.5	84.3	84.4	84.9	86.0	86.0	86.0	86.3	86.3	86.3	86.8
≥ 1000	59.6	72.2	76.0	79.2	81.9	83.6	85.6	85.7	86.1	87.4	87.4	87.4	87.6	87.6	87.6	88.2
≥ 900	59.7	72.5	76.3	79.6	82.8	84.6	86.5	86.7	87.1	88.3	88.3	88.3	88.6	88.6	88.6	89.2
≥ 800	59.7	72.8	76.7	80.1	83.6	85.6	87.5	87.6	88.1	89.3	89.3	89.3	89.6	89.6	89.6	90.1
≥ 700	59.7	72.8	76.9	80.6	84.2	86.3	88.2	88.3	88.8	90.0	90.0	90.0	90.3	90.3	90.3	90.8
≥ 600	59.7	72.9	77.4	81.3	84.9	87.1	89.0	89.3	89.9	91.3	91.3	91.3	91.5	91.5	91.5	92.1
≥ 500	59.7	73.2	77.9	81.8	85.6	87.8	89.7	90.1	90.7	92.5	92.6	92.6	92.9	92.9	92.9	93.5
≥ 400	59.7	73.2	78.2	82.1	85.8	88.3	90.4	91.0	91.5	93.5	93.8	93.8	94.0	94.0	94.0	94.7
≥ 300	59.7	73.2	78.2	82.2	86.0	88.5	90.6	91.3	91.8	94.2	94.6	94.6	94.9	94.9	94.9	95.6
≥ 200	59.7	73.2	78.2	82.2	86.0	88.5	90.7	91.5	92.1	94.6	95.0	95.0	95.6	95.7	96.3	97.2
≥ 100	59.7	73.2	78.2	82.2	86.0	88.5	90.7	91.5	92.1	94.6	95.1	95.1	95.8	96.1	96.7	98.9
≥ 0	59.7	73.2	78.2	82.2	86.0	88.5	90.7	91.5	92.1	94.6	95.1	95.1	95.8	96.1	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 720

2  
GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	35.3	41.8	43.1	43.9	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	39.6	46.5	47.9	48.9	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	39.6	46.5	47.9	48.9	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	39.6	46.5	47.9	48.9	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000	39.6	46.7	48.1	49.3	50.1	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	40.4	47.6	49.2	50.3	51.1	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	42.5	50.4	52.1	53.8	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	44.2	52.4	54.0	55.8	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	45.6	53.9	55.6	57.5	58.5	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	47.2	55.8	57.5	59.4	60.4	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	48.6	57.9	59.6	61.7	62.8	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	49.9	59.3	61.1	63.2	64.4	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4500	50.6	60.4	62.2	64.4	65.8	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	51.3	61.1	62.9	65.3	66.7	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	52.1	62.6	64.4	66.8	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3000	53.6	64.4	66.3	68.6	70.0	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2500	58.8	70.4	72.2	74.6	76.0	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000	61.7	73.8	75.6	77.9	79.3	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1800	63.1	75.4	77.2	79.6	81.0	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1500	64.4	77.9	79.9	82.4	83.9	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	65.3	80.4	82.8	85.6	87.1	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	66.3	83.1	86.1	88.9	90.6	91.5	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	66.4	83.3	86.5	89.4	91.3	92.2	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 800	66.4	83.3	86.5	89.7	91.7	92.6	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	66.4	83.3	86.8	90.3	92.5	93.5	93.9	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	66.4	83.3	87.1	90.7	93.1	94.0	94.7	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	66.4	83.3	87.4	91.1	93.6	94.7	95.4	96.5	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	66.4	83.3	87.4	91.1	93.6	94.7	95.6	97.4	97.4	97.9	98.3	98.3	98.3	98.3	98.5	98.5
≥ 300	66.4	83.3	87.4	91.1	93.6	94.7	95.7	97.5	97.6	98.5	99.0	99.0	99.3	99.3	99.4	99.4
≥ 200	66.4	83.3	87.4	91.1	93.6	94.7	95.7	97.5	97.6	98.5	99.0	99.0	99.4	99.4	99.9	99.9
≥ 100	66.4	83.3	87.4	91.1	93.6	94.7	95.7	97.5	97.6	98.5	99.0	99.0	99.4	99.4	100.0	100.0
≥ 0	66.4	83.3	87.4	91.1	93.6	94.7	95.7	97.5	97.6	98.5	99.0	99.0	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

72

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72451  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	35.6 41.5	40.8 47.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 46.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5	41.7 48.5
IV 18000 IV 16000	42.1 42.1	47.6 47.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6	48.6 48.6
IV 14000 IV 12000	42.1 44.0	47.6 49.7	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8	48.6 50.8
IV 10000 IV 9000	47.3 49.2	54.3 54.7	55.4 55.8	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0	55.6 56.0
IV 8000 IV 7000	49.4 50.3	56.1 57.6	57.2 58.8	57.6 59.2	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3	57.6 59.3
IV 6000 IV 5000	51.5 53.5	59.0 61.3	60.1 62.4	60.7 62.9	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2	61.0 63.2
IV 4500 IV 4000	55.4 56.1	63.9 66.8	65.1 68.1	65.7 68.6	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0	66.0 69.0
IV 3500 IV 3000	60.4 64.7	69.9 74.7	71.4 76.3	71.9 77.1	72.4 77.5	72.4 77.5	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6	72.5 77.6
IV 2500 IV 2000	69.3 71.9	80.0 83.6	81.8 85.4	82.6 86.4	83.1 86.8	83.1 86.8	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9	83.2 86.9
IV 1800 IV 1500	73.3 74.4	85.3 87.5	87.1 89.6	88.1 90.8	88.6 91.5	88.6 91.5	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7	88.8 91.7
IV 1200 IV 1000	74.9 75.3	89.2 89.7	91.7 92.2	93.2 94.2	93.9 95.1	93.9 95.1	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3	94.0 95.3
IV 900 IV 800	75.4 75.4	90.3 90.3	92.9 93.1	95.1 95.6	96.1 96.5	96.1 96.5	96.5 97.1	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2
IV 700 IV 600	75.4 75.4	90.4 90.4	93.2 93.2	95.8 95.8	97.1 97.2	97.1 97.2	98.1 98.2	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6
IV 500 IV 400	75.4 75.4	90.4 90.4	93.2 93.2	95.8 95.8	97.2 97.2	97.5 97.5	98.5 98.5	99.0 99.3	99.0 99.4	99.0 99.6	99.0 99.9	99.2 99.9	99.2 99.9	99.2 99.9	99.2 99.9	99.2 99.9
IV 300 IV 200	75.4 75.4	90.4 90.4	93.2 93.2	95.8 95.8	97.2 97.2	97.5 97.5	98.5 98.5	99.3 99.3	99.4 99.4	99.7 99.7	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	75.4 75.4	90.4 90.4	93.2 93.2	95.8 95.8	97.2 97.2	97.5 97.5	98.5 98.5	99.3 99.3	99.4 99.4	99.7 99.7	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 720



CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72045  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	48.4	48.2	48.5	48.8	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	1.3	55.0	55.8	56.1	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	1.7	55.4	56.3	56.5	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	51.1	55.6	56.4	56.7	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	2.4	56.1	56.9	57.2	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	4.2	57.9	58.9	59.2	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	56.7	60.8	61.8	62.1	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.1
≥ 9000	56.6	62.8	64.0	64.6	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 8000	40.1	64.7	66.1	66.9	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1
≥ 7000	62.6	67.2	68.5	69.4	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
≥ 6000	45.4	70.0	71.8	72.6	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 5000	68.1	73.1	75.1	75.8	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 4500	70.1	75.8	77.8	78.6	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 4000	71.1	77.9	80.0	81.1	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 3500	71.9	78.9	81.1	82.2	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
≥ 3000	73.1	80.6	82.6	84.0	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
≥ 2500	74.3	82.9	85.3	87.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.8
≥ 2000	76.3	84.4	87.1	89.2	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥ 1800	76.4	85.0	88.1	90.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
≥ 1500	76.7	85.7	88.8	91.3	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 1200	76.8	86.4	89.6	92.2	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0
≥ 1000	76.9	86.7	90.1	92.9	94.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3
≥ 900	77.2	87.2	90.7	93.5	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
≥ 800	77.5	87.5	91.1	93.9	95.1	95.7	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5
≥ 700	77.5	87.6	91.4	94.2	95.4	96.1	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.4
≥ 600	77.5	87.6	91.5	94.4	95.7	96.4	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.8
≥ 500	77.5	87.6	91.5	94.7	96.3	96.9	97.8	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.5
≥ 400	77.5	87.6	91.7	95.0	96.7	97.4	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4
≥ 300	77.5	87.6	91.7	95.0	96.7	97.4	98.9	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 200	77.5	87.6	91.7	95.0	96.7	97.4	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	77.5	87.6	91.7	95.0	96.7	97.4	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	77.5	87.6	91.7	95.0	96.7	97.4	98.9	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70040  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

73-80  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥20000	50.3	53.5	53.8	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6
IV 18000	52.6	55.8	56.1	56.9	56.9	56.9	57.2	57.2	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 16000	52.9	56.1	56.4	57.2	57.2	57.2	57.5	57.5	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8
IV 14000	54.2	57.8	58.2	59.0	59.0	59.0	59.3	59.3	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6
IV 12000	55.9	59.4	59.9	60.7	60.7	60.7	61.0	61.0	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000	58.8	62.4	62.9	63.9	63.9	63.9	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	61.7	65.7	66.4	67.5	67.5	67.5	67.8	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	62.8	66.8	67.5	68.6	68.6	68.6	68.9	68.9	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	65.3	69.3	70.1	71.5	71.5	71.5	71.8	71.8	71.8	71.9	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	67.6	71.8	72.6	74.2	74.2	74.2	74.4	74.4	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	70.3	75.1	76.3	78.1	78.1	78.1	78.3	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	71.5	76.5	77.8	79.9	79.9	79.9	80.1	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	72.6	77.9	79.3	81.5	81.5	81.5	81.8	81.8	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	73.2	78.8	80.3	82.5	82.5	82.5	82.8	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1
IV 3000	74.9	80.6	82.2	84.6	84.6	84.6	84.9	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500	76.8	83.2	85.0	87.8	87.8	87.8	88.1	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	77.9	85.1	86.9	89.7	89.7	89.7	90.0	90.0	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	79.3	86.8	88.5	90.4	90.4	90.4	90.7	90.7	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	79.9	86.1	88.5	91.7	91.7	91.7	92.1	92.1	92.1	92.2	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	79.3	86.8	89.3	92.5	92.5	92.5	92.9	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	79.7	87.8	90.6	94.0	94.0	94.0	94.6	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	79.9	88.1	91.1	94.6	94.6	94.6	95.3	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6
IV 800	80.0	88.3	91.4	95.3	95.3	95.3	96.0	96.0	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	80.4	89.0	92.1	95.7	95.7	95.7	96.3	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	80.4	89.0	92.1	95.8	95.8	95.8	96.4	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 720



CLIMATE CLIMATOLOGY BRANCH  
STAFETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
73450

STATION NAME  
AUSTIN STRAUBEL #1

YEARS  
73-60

MONTH  
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾
NO CEILING	42.3	47.0	48.1	48.6	49.1	49.2	49.4	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.8
≥ 20000	46.3	51.5	52.8	53.4	54.0	54.1	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.7
≥ 18000	47.1	51.7	53.0	53.6	54.1	54.3	54.5	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.9
≥ 16000	47.1	51.8	53.0	53.6	54.2	54.3	54.5	54.5	54.6	54.6	54.7	54.7	54.8	54.8	54.9
≥ 14000	47.4	52.2	53.5	54.2	54.7	54.8	55.0	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.5
≥ 12000	48.9	53.8	55.2	55.9	56.5	56.6	56.8	56.8	56.9	57.0	57.0	57.0	57.1	57.1	57.2
≥ 10000	51.6	56.9	58.3	59.1	59.7	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.4	60.4	60.6
≥ 9000	53.3	58.8	60.3	61.3	61.8	62.0	62.2	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.7
≥ 8000	54.7	60.4	61.9	63.0	63.6	63.8	64.1	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.5
≥ 7000	56.7	62.7	64.3	65.4	66.1	66.3	66.6	66.6	66.6	66.8	66.8	66.8	66.9	66.9	67.1
≥ 6000	58.5	65.0	66.7	67.9	68.6	68.9	69.1	69.2	69.2	69.3	69.4	69.4	69.5	69.5	69.7
≥ 5000	60.6	67.7	69.4	70.7	71.5	71.8	72.1	72.1	72.2	72.3	72.4	72.4	72.4	72.4	72.6
≥ 4500	61.5	69.4	71.2	72.6	73.5	73.8	74.1	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.6
≥ 4000	63.2	71.0	73.0	74.5	75.4	75.8	76.1	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.6
≥ 3500	64.3	72.5	74.5	76.1	77.1	77.4	77.8	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.3
≥ 3000	65.9	74.4	76.6	78.3	79.3	79.6	80.0	80.0	80.1	80.2	80.3	80.3	80.3	80.3	80.5
≥ 2500	68.4	77.6	79.9	81.7	82.8	83.2	83.6	83.6	83.6	83.8	83.8	83.8	83.9	83.9	84.1
≥ 2000	70.1	79.9	82.3	84.4	85.5	85.9	86.4	86.4	86.5	86.6	86.7	86.7	86.7	86.7	86.9
≥ 1800	70.8	80.8	83.3	85.5	86.6	87.1	87.5	87.6	87.6	87.8	87.9	87.9	87.9	87.9	88.1
≥ 1500	71.7	82.3	84.9	87.3	88.5	88.9	89.4	89.5	89.5	89.7	89.8	89.8	89.8	89.8	90.0
≥ 1200	72.2	83.4	86.2	88.7	89.9	90.4	90.9	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.5
≥ 1000	72.5	84.3	87.2	89.8	91.2	91.7	92.4	92.4	92.5	92.7	92.8	92.8	92.8	92.8	93.0
≥ 900	72.7	84.7	87.7	90.4	91.9	92.4	93.2	93.2	93.3	93.5	93.6	93.6	93.6	93.6	93.8
≥ 800	72.8	84.9	88.1	90.9	92.6	93.1	93.9	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.6
≥ 700	72.9	85.1	88.5	91.4	93.2	93.7	94.7	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.5
≥ 600	72.9	85.1	88.8	91.8	93.6	94.2	95.3	95.5	95.6	95.9	96.0	96.0	96.0	96.0	96.2
≥ 500	72.9	85.2	88.9	92.1	94.0	94.6	95.8	96.1	96.2	96.6	96.7	96.7	96.8	96.8	97.0
≥ 400	72.9	85.2	89.1	92.2	94.2	94.9	96.1	96.6	96.7	97.2	97.4	97.4	97.5	97.5	97.7
≥ 300	72.9	85.3	89.1	92.4	94.4	95.1	96.5	96.9	97.1	97.8	98.1	98.1	98.2	98.2	98.5
≥ 200	72.9	85.3	89.1	92.4	94.4	95.1	96.5	97.0	97.2	98.1	98.4	98.4	98.6	98.7	99.1
≥ 100	72.9	85.3	89.1	92.4	94.4	95.1	96.5	97.0	97.2	98.2	98.5	98.5	98.8	98.9	99.6
≥ 0	72.9	85.3	89.1	92.4	94.4	95.1	96.5	97.0	97.2	98.2	98.5	98.5	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5760

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION  
726430

STATION NAME  
AUSTIN STRAUBEL WT

YEARS  
73-80

MONTH  
OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	45.2	49.7	51.2	52.2	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4	52.6	52.6	52.8	53.1
≥ 20000	46.5	51.2	52.8	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.3	54.3	54.6	54.8
≥ 18000	46.5	51.2	52.8	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.3	54.3	54.6	54.8
≥ 16000	46.5	51.2	52.8	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.3	54.3	54.6	54.8
≥ 14000	47.6	52.6	54.2	55.2	55.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.6	55.6	55.9	56.2
≥ 12000	50.9	56.0	57.7	58.9	58.9	58.9	59.0	59.0	59.0	59.3	59.3	59.3	59.4	59.4	59.7	59.9
≥ 10000	53.1	58.2	59.9	61.2	61.3	61.3	61.4	61.4	61.4	61.7	61.7	61.7	61.8	61.8	62.1	62.4
≥ 9000	56.5	62.0	63.7	65.1	65.2	65.2	65.3	65.3	65.3	65.6	65.6	65.6	65.7	65.7	66.0	66.3
≥ 8000	57.7	63.7	65.5	66.8	66.9	66.9	67.1	67.1	67.1	67.3	67.3	67.3	67.5	67.5	67.7	68.0
≥ 7000	60.1	66.1	67.9	69.2	69.4	69.4	69.5	69.6	69.6	69.9	69.9	69.9	70.0	70.0	70.3	70.6
≥ 6000	64.2	70.7	72.4	73.9	74.1	74.3	74.6	74.7	74.7	75.1	75.1	75.1	75.4	75.4	75.7	75.9
≥ 5000	67.5	74.2	76.1	77.8	78.1	78.4	78.8	78.9	78.9	79.3	79.3	79.3	79.6	79.6	79.8	80.1
≥ 4500	69.1	75.9	77.8	79.6	80.0	80.2	80.6	80.8	80.8	81.2	81.2	81.2	81.5	81.5	81.7	82.0
≥ 4000	69.5	76.6	78.5	80.2	80.6	80.9	81.3	81.5	81.5	81.9	81.9	81.9	82.1	82.1	82.4	82.7
≥ 3500	70.8	78.0	79.8	81.6	82.0	82.3	82.7	82.8	82.8	83.2	83.2	83.2	83.5	83.5	83.7	84.0
≥ 3000	73.3	80.4	82.3	84.0	84.4	84.7	85.1	85.2	85.2	85.6	85.6	85.6	85.9	85.9	86.2	86.4
≥ 2500	75.3	82.9	84.8	86.6	87.0	87.2	87.6	87.8	87.8	88.2	88.2	88.2	88.4	88.4	88.7	89.0
≥ 2000	76.7	85.2	87.1	88.8	89.4	89.7	90.1	90.2	90.2	90.6	90.6	90.6	90.9	90.9	91.1	91.4
≥ 1800	77.2	85.8	87.8	89.5	90.2	90.5	90.9	91.0	91.0	91.4	91.4	91.4	91.7	91.7	91.9	92.2
≥ 1500	78.5	87.1	89.2	91.0	91.7	91.9	92.3	92.5	92.5	92.9	92.9	92.9	93.1	93.1	93.4	93.7
≥ 1200	78.8	87.9	90.1	91.8	92.5	92.7	93.1	93.3	93.3	93.8	93.8	93.8	94.1	94.1	94.4	94.6
≥ 1000	79.1	88.3	90.6	92.5	93.1	93.5	94.1	94.2	94.2	94.8	94.8	94.8	95.0	95.0	95.3	95.6
≥ 900	79.1	88.7	91.0	92.9	93.5	94.0	94.5	94.6	94.6	95.2	95.2	95.2	95.4	95.4	95.7	96.0
≥ 800	79.2	88.8	91.3	93.3	94.0	94.5	95.0	95.3	95.4	96.1	96.1	96.1	96.4	96.4	96.6	96.9
≥ 700	79.3	89.0	91.4	93.7	94.4	94.9	95.4	95.8	96.0	96.6	96.6	96.6	96.9	96.9	97.2	97.4
≥ 600	79.6	89.4	91.9	94.2	94.9	95.4	96.0	96.4	96.6	97.3	97.3	97.3	97.7	97.7	98.0	98.3
≥ 500	79.6	89.4	91.9	94.2	94.9	95.4	96.0	96.5	96.9	97.6	97.6	97.6	98.0	98.0	98.3	98.5
≥ 400	79.6	89.4	91.9	94.5	95.2	95.7	96.4	96.9	97.3	98.0	98.0	98.0	98.4	98.4	98.7	98.9
≥ 300	79.6	89.4	91.9	94.5	95.2	95.7	96.4	97.0	97.4	98.3	98.4	98.4	98.9	98.9	99.2	99.5
≥ 200	79.6	89.4	91.9	94.5	95.2	95.7	96.4	97.0	97.4	98.3	98.4	98.4	99.1	99.1	99.3	99.9
≥ 100	79.6	89.4	91.9	94.5	95.2	95.7	96.4	97.0	97.4	98.3	98.4	98.4	99.1	99.1	99.3	100.0
≥ 0	79.6	89.4	91.9	94.5	95.2	95.7	96.4	97.0	97.4	98.3	98.4	98.4	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72450  
STATION

AUSTIN STRAUBEL W1  
STATION NAME

73-8C  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	43.5	47.3	48.5	49.3	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.3	50.4
≥ 20000	45.3	49.3	50.5	51.3	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4
≥ 18000	45.3	49.3	50.5	51.3	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4
≥ 16000	45.3	49.3	50.5	51.3	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4
≥ 14000	46.4	50.7	52.0	52.8	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.9
≥ 12000	46.9	53.2	54.6	55.5	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.7
≥ 10000	51.3	55.8	57.1	58.1	58.7	58.7	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.7
≥ 9000	53.1	57.5	58.9	59.8	60.6	60.6	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.6
≥ 8000	55.6	60.2	61.6	62.5	63.3	63.3	63.7	63.8	63.8	64.0	64.0	64.0	64.0	64.1	64.1	64.2
≥ 7000	56.5	63.4	64.8	65.7	66.5	66.5	66.9	67.1	67.1	67.3	67.3	67.5	67.5	67.6	67.6	67.7
≥ 6000	62.1	67.5	68.8	69.8	70.6	70.6	71.0	71.1	71.1	71.4	71.4	71.5	71.5	71.6	71.6	71.8
≥ 5000	64.1	70.2	71.5	72.4	73.3	73.3	73.7	73.8	73.8	74.1	74.1	74.2	74.2	74.3	74.3	74.5
≥ 4500	64.7	71.0	72.3	73.3	74.1	74.1	74.5	74.6	74.6	74.9	75.0	75.0	75.0	75.1	75.1	75.3
≥ 4000	66.1	73.0	74.3	75.3	76.2	76.2	76.6	76.7	76.7	77.0	77.2	77.2	77.2	77.3	77.3	77.4
≥ 3500	67.5	74.3	75.8	76.7	78.0	78.0	78.4	78.5	78.5	78.8	78.9	78.9	79.0	79.0	79.2	80.2
≥ 3000	70.4	77.7	79.3	80.2	81.5	81.5	81.9	82.0	82.0	82.4	82.5	82.5	82.7	82.7	82.8	83.9
≥ 2500	72.8	80.5	82.3	83.2	84.4	84.4	84.8	84.9	84.9	85.3	85.5	85.5	85.6	85.6	85.8	86.8
≥ 2000	74.9	82.8	84.5	85.6	87.2	87.2	87.6	87.8	87.8	88.2	88.4	88.4	88.6	88.6	88.7	89.8
≥ 1800	75.7	83.6	85.6	86.7	88.4	88.4	88.8	89.1	89.1	89.5	89.8	89.8	89.9	89.9	90.1	91.1
≥ 1500	75.9	84.5	86.7	87.9	89.7	89.7	90.1	90.5	90.6	91.0	91.3	91.3	91.4	91.4	91.5	92.6
≥ 1200	76.2	85.2	87.4	88.6	90.3	90.3	90.7	91.1	91.4	91.8	92.1	92.1	92.2	92.2	92.3	93.4
≥ 1000	76.3	85.5	87.6	89.1	90.9	90.9	91.3	91.8	92.2	92.6	92.9	92.9	93.0	93.0	93.1	94.2
≥ 900	76.3	85.6	87.9	89.5	91.3	91.3	91.7	92.5	92.9	93.3	93.5	93.5	93.8	93.8	94.0	95.0
≥ 800	76.3	85.9	88.4	90.1	91.8	91.8	92.2	93.0	93.4	93.8	94.1	94.1	94.4	94.4	94.5	95.6
≥ 700	76.6	86.4	89.1	91.4	93.1	93.1	93.5	94.4	94.8	95.2	95.6	95.6	95.8	95.8	96.0	97.0
≥ 600	76.7	86.6	89.1	91.7	93.4	93.4	93.8	94.6	95.0	95.4	95.8	95.8	96.1	96.1	96.2	97.3
≥ 500	76.7	86.6	89.1	91.9	93.8	94.0	94.4	95.2	95.6	96.0	96.4	96.4	96.8	96.8	96.9	98.0
≥ 400	76.7	86.7	89.2	92.1	94.0	94.1	94.5	95.4	95.8	96.2	96.8	96.8	97.3	97.3	97.4	98.5
≥ 300	76.7	86.7	89.2	92.1	94.0	94.2	94.8	95.7	96.1	96.5	97.0	97.0	97.6	97.6	97.7	98.8
≥ 200	76.7	86.7	89.2	92.1	94.0	94.2	94.8	95.8	96.2	96.6	97.3	97.3	97.8	97.8	98.0	99.1
≥ 100	76.7	86.7	89.2	92.1	94.0	94.2	94.8	95.8	96.2	96.6	97.3	97.3	97.8	97.8	98.0	99.2
≥ 0	76.7	86.7	89.2	92.1	94.0	94.2	94.8	95.8	96.2	96.6	97.3	97.3	97.8	97.8	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70446  
STATION

AUSTIN STRAUBEL AFB  
STATION NAME

73-80  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	34.6	39.2	40.8	42.7	43.3	44.0	44.5	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.8	45.9
≥ 20000	37.4	43.1	45.5	47.6	48.5	49.1	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.9	51.0
≥ 18000	37.4	43.1	45.5	47.6	48.5	49.1	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.9	51.0
≥ 16000	37.4	43.1	45.5	47.6	48.5	49.1	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.9	51.0
≥ 14000	39.2	45.0	47.4	49.7	50.5	51.1	51.7	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.9	53.0
≥ 12000	40.3	47.0	49.5	51.8	52.6	53.3	53.8	54.2	54.4	54.5	54.5	54.5	54.5	54.5	55.0	55.2
≥ 10000	43.7	50.1	52.6	54.9	55.7	56.4	57.1	57.5	57.6	57.7	57.9	57.9	57.9	57.9	58.4	58.5
≥ 9000	45.6	52.4	54.9	57.2	58.0	58.7	59.4	59.8	59.9	60.0	60.2	60.2	60.2	60.2	60.7	60.8
≥ 8000	47.1	53.8	56.5	58.8	59.6	60.3	61.0	61.4	61.5	61.6	61.8	61.8	61.8	61.8	62.3	62.4
≥ 7000	49.9	56.8	59.8	62.0	63.3	63.9	64.6	65.0	65.1	65.3	65.5	65.5	65.5	65.5	66.1	66.2
≥ 6000	53.3	61.3	63.5	65.9	67.3	68.0	68.8	69.4	69.6	69.7	70.0	70.0	70.0	70.0	70.5	70.7
≥ 5000	55.1	62.6	65.9	68.4	69.7	70.4	71.2	71.9	72.0	72.1	72.4	72.4	72.4	72.4	72.9	73.1
≥ 4500	56.4	63.9	67.6	70.0	71.3	72.0	72.8	73.6	73.8	73.9	74.2	74.2	74.2	74.2	74.7	74.8
≥ 4000	58.1	65.7	69.3	71.7	73.1	73.8	74.6	75.4	75.5	75.6	75.9	75.9	75.9	75.9	76.4	76.6
≥ 3500	59.2	66.9	70.7	73.1	74.4	75.1	75.9	76.7	76.9	77.0	77.3	77.3	77.3	77.3	77.8	77.9
≥ 3000	61.4	69.3	73.2	75.6	77.0	77.7	78.5	79.3	79.4	79.5	79.9	79.9	79.9	79.9	80.5	80.6
≥ 2500	63.9	72.1	76.2	78.6	79.9	80.6	81.6	82.5	82.6	82.8	83.2	83.2	83.3	83.3	83.8	84.0
≥ 2000	65.0	73.5	77.9	80.3	81.7	82.4	83.6	84.5	84.7	84.9	85.3	85.3	85.5	85.5	86.0	86.1
≥ 1800	65.4	74.0	78.5	81.0	82.4	83.0	84.3	85.2	85.3	85.6	86.0	86.0	86.1	86.1	86.7	86.8
≥ 1500	66.3	76.0	80.8	83.4	84.9	85.6	86.8	87.8	87.9	88.2	88.6	88.6	88.7	88.7	89.2	89.4
≥ 1200	67.2	76.7	81.8	84.8	86.3	86.9	88.2	89.2	89.4	89.6	90.0	90.0	90.2	90.2	90.7	90.8
≥ 1000	67.6	77.4	82.9	86.0	87.5	88.2	89.6	90.7	90.8	91.1	91.5	91.5	91.7	91.7	92.2	92.3
≥ 900	67.6	77.4	83.3	86.4	88.0	88.7	90.2	91.3	91.4	91.7	92.1	92.1	92.2	92.2	92.7	92.9
≥ 800	67.6	77.5	83.6	86.7	88.4	89.1	90.6	91.8	91.9	92.3	92.7	92.7	92.9	92.9	93.4	93.5
≥ 700	67.6	78.1	84.3	87.5	89.2	90.0	91.7	92.9	93.0	93.4	93.8	93.8	93.9	93.9	94.5	94.6
≥ 600	67.6	78.1	84.4	87.9	89.9	90.7	92.3	93.9	94.1	94.6	95.0	95.0	95.2	95.2	95.7	95.8
≥ 500	67.6	78.5	84.8	88.4	90.4	91.4	93.3	94.8	94.9	95.8	96.2	96.2	96.4	96.4	96.9	97.0
≥ 400	67.6	78.6	84.9	88.6	90.6	91.7	93.5	95.0	95.2	96.1	96.5	96.5	96.6	96.6	97.2	97.3
≥ 300	67.6	78.6	84.9	88.6	90.6	91.8	93.7	95.2	95.3	96.2	96.6	96.6	96.9	96.9	97.4	97.6
≥ 200	67.6	78.6	84.9	88.8	90.8	92.1	93.9	95.4	95.6	96.6	97.2	97.2	97.7	97.7	98.3	98.4
≥ 100	67.6	78.6	84.9	88.8	90.8	92.1	93.9	95.4	95.6	96.6	97.2	97.2	97.8	97.8	98.4	98.8
≥ 0	67.6	78.6	84.9	88.8	90.8	92.1	93.9	95.4	95.6	96.6	97.2	97.2	97.8	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 743

GLOBAL CLIMATOLOGY BRANCH  
JCAFETAC  
AT- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72645 STATION AUSTIN STRAUBEL WI STATION NAME

73-80 YEARS

OCT MONTH  
1900-1100 HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	30.9 34.3	37.0 42.2	39.7 44.5	39.7 45.4	40.6 46.4	40.6 46.4	40.6 46.4	40.6 46.4	40.6 46.4	40.7 46.5	40.7 46.5	40.7 46.5	40.7 46.5	40.7 46.5	40.7 46.5	40.9 46.6
≥ 18000 N 16000	34.3 34.3	42.2 42.2	44.5 44.5	45.4 45.4	46.4 46.4	46.4 46.4	46.4 46.4	46.4 46.4	46.4 46.4	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.5 46.5	46.6 46.6
≥ 14000 N 12000	35.1 37.0	42.7 44.9	45.1 47.2	46.1 48.3	47.0 49.2	47.0 49.2	47.0 49.2	47.0 49.2	47.0 49.2	47.2 49.3	47.2 49.3	47.2 49.3	47.2 49.3	47.2 49.3	47.2 49.3	47.3 49.5
≥ 10000 N 9500	39.1 40.7	47.6 49.6	49.9 51.9	50.9 53.0	51.9 53.9	51.9 53.9	51.9 53.9	51.9 53.9	51.9 53.9	52.0 54.0	52.0 54.0	52.0 54.0	52.0 54.0	52.0 54.0	52.0 54.0	52.2 54.2
≥ 8000 N 7000	42.7 45.0	51.7 54.0	54.4 56.9	55.5 57.9	56.6 59.1	56.6 59.1	56.6 59.1	56.7 59.4	56.7 59.4	56.9 59.5	56.9 59.5	56.9 59.5	56.9 59.5	56.9 59.5	56.9 59.5	57.0 59.7
≥ 6000 N 5000	46.9 48.8	56.5 59.1	59.7 62.8	61.0 64.1	62.4 65.5	62.4 65.5	62.5 65.6	62.8 65.9	62.8 65.9	62.9 66.0	62.9 66.0	62.9 66.0	62.9 66.0	62.9 66.0	62.9 66.0	63.0 66.1
≥ 4500 N 4000	50.5 52.7	61.3 63.6	65.1 67.3	66.4 68.7	67.7 70.0	67.7 70.0	67.9 70.2	68.1 70.4	68.1 70.4	68.3 70.6	68.3 70.6	68.3 70.6	68.3 70.6	68.3 70.6	68.3 70.6	68.4 70.7
≥ 3500 N 3000	54.0 57.8	64.9 69.0	68.7 72.8	70.0 74.2	71.4 75.7	71.4 75.8	71.5 76.2	71.8 76.5	71.8 76.5	71.9 76.6	71.9 76.6	71.9 76.6	71.9 76.6	71.9 76.6	71.9 76.6	72.0 76.7
≥ 2500 N 2000	61.6 63.8	73.9 77.0	77.8 81.0	79.6 83.1	81.3 84.9	81.5 85.1	81.9 85.5	82.3 86.2	82.3 86.2	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.4 86.3	82.5 86.4
≥ 1800 N 1500	64.8 65.7	78.9 80.2	83.1 84.8	85.1 87.0	87.0 89.0	87.2 89.4	87.6 89.8	88.3 90.6	88.3 90.6	88.4 90.7	88.4 90.7	88.4 90.7	88.4 90.7	88.4 90.7	88.4 90.7	88.6 90.9
≥ 1200 N 1000	66.4 66.9	81.7 82.6	86.8 87.8	89.0 90.2	91.1 92.3	91.5 92.9	91.9 93.4	92.9 94.4	92.9 94.4	93.0 94.5	93.0 94.5	93.0 94.5	93.1 94.6	93.1 94.6	93.1 94.6	93.3 94.8
≥ 900 N 800	66.9 66.9	82.8 82.9	88.0 88.3	90.6 91.0	92.7 93.1	93.3 93.7	93.8 94.2	94.8 95.3	94.8 95.3	94.9 95.4	94.9 95.4	94.9 95.4	95.2 95.7	95.2 95.7	95.2 95.7	95.3 95.8
≥ 700 N 600	66.7 66.7	83.2 83.3	88.7 88.8	91.7 91.8	93.8 94.0	94.4 94.6	95.0 95.3	96.1 96.8	96.1 96.8	96.2 97.0	96.2 97.0	96.2 97.0	96.5 97.3	96.5 97.3	96.5 97.3	96.6 97.4
≥ 500 N 400	66.7 66.7	83.3 83.3	89.0 89.0	92.2 92.2	94.5 94.5	95.4 95.4	96.2 96.2	98.3 98.5	98.3 98.7	98.5 98.9	98.5 98.9	98.5 98.9	98.8 99.2	98.8 99.2	98.8 99.2	98.9 99.3
≥ 300 N 200	66.7 66.7	83.3 83.3	89.0 89.0	92.2 92.2	94.5 94.5	95.4 95.4	96.6 96.6	98.9 98.9	99.1 99.1	99.3 99.3	99.3 99.3	99.3 99.3	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9
≥ 100 N 0	66.7 66.7	83.3 83.3	89.0 89.0	92.2 92.2	94.5 94.5	95.4 95.4	96.6 96.6	98.9 98.9	99.1 99.1	99.3 99.3	99.3 99.3	99.3 99.3	99.7 99.7	99.7 99.7	99.7 99.7	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450

AUSTIN STRAUBEL WI

73-80

OCT

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10  
HOURS (L.T.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.3	43.2	40.9	41.5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	39.4	45.5	46.4	47.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	39.8	45.9	46.8	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	39.8	45.9	46.8	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	40.3	46.8	47.8	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	42.0	48.2	49.3	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000	45.1	51.8	53.0	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	46.4	53.7	54.9	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	46.3	54.4	55.6	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000	48.5	55.7	57.1	58.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	50.6	59.2	60.6	61.5	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	52.6	61.8	63.4	64.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	54.5	63.8	65.4	66.4	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	59.7	68.5	70.1	71.2	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	62.0	71.7	73.4	74.4	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	66.1	76.0	78.3	79.4	80.5	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	69.4	80.6	83.2	84.4	85.7	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	71.6	83.4	86.1	87.5	88.8	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	72.3	84.4	87.6	89.0	90.6	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	73.2	86.7	90.2	91.5	93.1	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	73.6	87.9	91.7	93.0	94.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	73.6	87.9	91.7	93.0	94.8	95.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	73.8	88.2	91.9	93.3	95.0	96.0	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	73.8	88.4	92.2	93.5	95.3	96.2	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	73.8	88.7	92.5	94.1	96.1	97.0	97.3	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	73.8	89.0	92.7	94.8	96.8	97.8	98.1	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	73.8	89.0	92.7	94.8	96.8	97.8	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	73.8	89.0	92.7	94.8	96.9	98.0	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	73.8	89.0	92.7	94.8	96.9	98.0	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	73.8	89.0	92.7	94.8	96.9	98.0	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	73.8	89.0	92.7	94.8	96.9	98.0	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	73.8	89.0	92.7	94.8	96.9	98.0	98.8	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

743

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATTN: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7245L  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	43.6	44.9	45.6	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	45.3	51.5	52.2	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000	45.3	51.5	52.2	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 6000	46.5	51.6	52.3	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	47.3	53.0	53.6	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	48.9	54.8	55.5	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	50.7	57.0	57.8	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	52.6	59.3	60.1	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	54.2	60.9	61.8	62.6	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	56.7	64.0	65.2	66.1	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	59.9	67.6	69.1	70.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	62.1	70.6	72.0	73.1	74.1	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500	64.2	72.8	74.5	75.5	76.5	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	66.1	74.9	76.6	77.7	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	68.5	77.4	79.2	80.2	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	71.6	81.3	83.2	84.7	85.6	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	73.5	84.4	86.4	87.9	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	73.9	85.6	87.9	89.7	90.9	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800	74.3	86.4	88.7	90.5	91.7	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	74.5	86.8	89.2	91.0	92.2	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	74.7	87.1	89.7	91.4	92.7	93.1	93.7	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	75.3	87.6	90.5	92.2	93.5	94.1	94.6	95.0	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	75.5	87.9	91.7	92.7	94.1	94.6	95.2	95.7	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	75.7	88.2	91.3	93.0	94.5	95.0	95.6	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	75.9	88.6	91.7	93.4	94.9	95.7	96.2	96.8	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	76.3	89.2	92.3	94.2	95.8	96.8	97.3	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	76.3	89.2	92.3	94.2	96.0	96.9	97.6	98.3	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	76.3	89.2	92.3	94.2	96.0	96.9	97.7	98.5	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	76.3	89.2	92.3	94.2	96.0	96.9	97.8	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	76.3	89.2	92.3	94.2	96.0	96.9	97.8	98.7	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.3	89.2	92.3	94.2	96.0	96.9	97.8	98.7	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.3	89.2	92.3	94.2	96.0	96.9	97.8	98.7	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	41.5	45.3	46.0	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
≥ 20000	46.4	50.3	51.1	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2
≥ 18000	46.4	50.3	51.1	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2
≥ 16000	46.4	50.4	51.2	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3
≥ 14000	46.3	52.8	53.8	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
≥ 12000	50.3	55.6	56.6	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.7
≥ 10000	52.6	58.1	59.1	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
≥ 9000	55.1	61.0	62.1	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2
≥ 8000	57.0	62.9	64.1	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥ 7000	59.4	65.6	66.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
≥ 6000	64.2	71.2	72.8	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5
≥ 5000	66.3	75.8	77.6	78.5	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
≥ 4500	70.6	78.2	80.0	80.9	81.5	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 4000	72.7	80.5	82.3	83.2	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.3
≥ 3500	74.1	81.9	83.6	84.5	85.1	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
≥ 3000	76.5	84.8	86.7	87.6	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.9
≥ 2500	77.7	86.4	88.7	89.8	90.3	90.6	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
≥ 2000	79.1	87.4	90.2	91.3	91.8	92.1	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
≥ 1800	79.1	87.4	90.3	91.5	92.1	92.5	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥ 1500	78.1	87.5	90.6	91.8	92.3	92.7	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.7
≥ 1200	78.6	88.0	91.1	92.5	93.0	93.4	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
≥ 1000	79.1	88.7	91.8	93.3	93.8	94.2	94.5	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 900	79.2	89.0	92.1	93.5	94.4	94.9	95.2	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	96.0
≥ 800	79.3	89.1	92.5	94.0	94.9	95.4	95.8	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6
≥ 700	79.4	89.4	92.7	94.6	95.7	96.5	97.0	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 600	79.4	89.8	93.1	95.0	96.2	97.0	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.7
≥ 500	79.4	89.8	93.1	95.0	96.4	97.2	97.7	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 400	79.4	89.8	93.1	95.0	96.4	97.2	97.7	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 300	79.4	89.8	93.1	95.0	96.6	97.4	98.0	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 200	79.4	89.8	93.1	95.0	96.6	97.4	98.0	98.7	98.7	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 100	79.4	89.8	93.1	95.0	96.6	97.4	98.0	98.7	98.7	99.5	99.5	99.5	99.5	99.6	99.6	100.0
≥ 0	79.4	89.8	93.1	95.0	96.6	97.4	98.0	98.7	98.7	99.5	99.5	99.5	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744



CLIMAT. CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726451  
STATION

AUSTIN STRAUBEL W1  
STATION NAME

73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	45.2	47.8	49.1	49.3	49.3	49.5	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	48.1	51.1	52.7	53.0	53.0	53.1	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000	48.1	51.1	52.7	53.0	53.0	53.1	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	48.1	51.2	52.7	53.1	53.1	53.2	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	49.1	52.4	54.7	54.3	54.3	54.4	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000	51.5	55.0	56.6	56.9	56.9	57.0	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	54.3	59.0	61.0	61.3	61.3	61.4	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 9000	59.3	63.7	65.9	66.1	66.3	66.4	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	62.0	66.5	68.7	69.0	69.2	69.4	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	64.7	68.5	70.8	71.1	71.4	71.5	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 6000	67.5	72.4	74.7	75.1	75.4	75.7	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	71.4	76.3	78.6	79.0	79.6	80.0	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	73.5	78.6	80.9	81.3	81.9	82.4	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	74.7	80.0	82.3	82.8	83.5	84.0	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	75.1	80.4	82.8	83.3	84.0	84.5	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	77.4	82.8	85.3	85.9	86.6	87.1	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	78.6	84.0	86.6	87.4	88.0	88.8	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	79.6	85.6	88.6	89.5	90.2	91.0	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	80.2	86.6	89.5	90.6	91.4	92.2	92.7	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	80.6	87.5	90.5	91.5	92.3	93.1	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	81.9	89.1	92.3	93.7	94.5	95.3	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	82.3	89.7	92.9	94.4	95.2	96.0	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	82.4	89.9	93.1	94.6	95.4	96.2	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	82.4	89.9	93.1	94.6	95.4	96.2	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	82.5	90.5	93.7	95.2	96.0	96.8	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	82.5	90.5	93.7	95.2	96.2	97.0	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.5	98.5	98.5
≥ 500	82.5	90.5	93.7	95.3	96.6	97.4	98.4	98.5	98.5	98.9	99.2	99.2	99.2	99.3	99.3	99.3
≥ 400	82.5	90.5	93.7	95.3	96.6	97.4	98.4	98.5	98.5	98.9	99.2	99.2	99.2	99.3	99.3	99.3
≥ 300	82.5	90.5	93.7	95.3	96.6	97.6	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	99.6
≥ 200	82.5	90.5	93.7	95.3	96.6	97.6	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	99.7
≥ 100	82.5	90.5	93.7	95.3	96.6	97.6	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	100.0
≥ 0	82.5	90.5	93.7	95.3	96.6	97.6	98.5	98.7	99.1	99.3	99.3	99.3	99.3	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 744

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	39.6	43.9	45.1	45.9	46.3	46.4	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.8	47.0
≥ 20000	42.9	48.0	49.5	50.4	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.3	51.6
≥ 18000	43.0	48.1	49.5	50.4	50.8	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.6
≥ 16000	43.1	48.1	49.6	50.5	50.9	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.7
≥ 14000	44.2	49.5	51.1	51.9	52.3	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.8	52.8	52.9	53.1
≥ 12000	46.4	51.8	53.4	54.4	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.4	55.6
≥ 10000	48.8	54.7	56.3	57.3	57.8	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.7
≥ 9000	51.2	57.4	59.1	60.1	60.5	60.7	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.4
≥ 8000	52.3	59.3	61.7	62.1	62.6	62.7	62.9	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.3	63.5
≥ 7000	55.2	61.8	63.7	64.8	65.4	65.5	65.8	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.5
≥ 6000	58.6	65.7	67.7	68.9	69.7	69.9	70.1	70.3	70.3	70.5	70.5	70.5	70.6	70.6	70.7	70.9
≥ 5000	61.2	68.8	71.0	72.2	73.1	73.3	73.6	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.2	74.4
≥ 4500	62.1	70.7	72.9	74.2	75.0	75.3	75.5	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.2	76.4
≥ 4000	64.1	72.8	75.1	76.4	77.2	77.5	77.8	78.0	78.0	78.2	78.2	78.3	78.3	78.3	78.4	78.6
≥ 3500	66.4	74.4	76.7	78.1	78.9	79.2	79.5	79.7	79.7	79.8	79.9	79.9	79.9	79.9	80.1	80.3
≥ 3000	69.3	77.7	80.2	81.5	82.4	82.7	83.0	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.9
≥ 2500	71.6	80.6	83.2	84.7	85.7	86.1	86.4	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.1	87.3
≥ 2000	73.0	82.6	85.4	87.0	88.1	88.5	88.9	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.7	89.9
≥ 1800	73.5	83.4	86.4	88.0	89.2	89.6	90.1	90.4	90.4	90.6	90.7	90.7	90.8	90.8	90.9	91.1
≥ 1500	74.2	84.6	87.7	89.4	90.7	91.1	91.6	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.5	92.7
≥ 1200	74.7	85.5	88.8	90.6	91.9	92.4	92.9	93.3	93.4	93.6	93.7	93.7	93.8	93.8	93.9	94.1
≥ 1000	75.0	86.0	89.5	91.3	92.6	93.2	93.8	94.3	94.4	94.6	94.7	94.7	94.8	94.8	94.9	95.1
≥ 900	75.0	86.2	89.3	91.7	93.1	93.6	94.2	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.4	95.7
≥ 800	75.1	86.4	90.1	92.0	93.4	94.0	94.6	95.2	95.3	95.6	95.7	95.7	95.8	95.8	95.9	96.2
≥ 700	75.2	86.7	90.5	92.7	94.2	94.8	95.5	96.2	96.3	96.6	96.7	96.7	96.8	96.8	97.0	97.2
≥ 600	75.3	87.0	90.8	93.1	94.7	95.4	96.1	96.8	97.0	97.4	97.5	97.5	97.6	97.6	97.7	98.0
≥ 500	75.4	87.0	90.8	93.3	94.9	95.7	96.5	97.3	97.6	98.1	98.2	98.2	98.4	98.4	98.5	98.7
≥ 400	75.4	87.1	90.9	93.3	95.0	95.8	96.6	97.6	97.8	98.4	98.5	98.5	98.7	98.7	98.8	99.0
≥ 300	75.4	87.1	90.9	93.3	95.0	95.9	96.8	97.8	98.0	98.6	98.7	98.7	98.9	98.9	99.1	99.3
≥ 200	75.4	87.1	90.9	93.4	95.1	95.9	96.9	97.8	98.1	98.7	98.9	98.9	99.2	99.2	99.3	99.5
≥ 100	75.4	87.1	90.9	93.4	95.1	95.9	96.9	97.8	98.1	98.7	98.9	98.9	99.2	99.2	99.4	99.7
≥ 0	75.4	87.1	90.9	93.4	95.1	95.9	96.9	97.8	98.1	98.7	98.9	98.9	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 5950

2  
JUNIOR CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

720400  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NCV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	52.9	42.6	43.5	44.2	44.4	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.9	44.9	45.0
≥ 20000	40.7	43.5	44.3	45.4	45.7	45.7	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.3
IN 18000	41.7	43.5	44.3	45.4	45.7	45.7	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.3
IN 6000	41.3	44.3	44.9	46.0	46.3	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.8
IN 4000	41.7	44.4	45.3	46.4	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.1	47.1	47.2
IN 2000	42.6	45.6	46.4	47.5	47.8	47.8	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.3
IN 1000	43.5	46.8	47.9	49.2	49.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.9	49.9	50.0
IN 900	45.6	48.8	50.1	51.4	51.7	51.7	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.5
IN 800	46.3	49.4	50.8	52.1	52.4	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.2
IN 700	48.5	51.9	53.5	55.0	55.3	55.3	55.4	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.1
IN 600	51.9	55.6	57.1	58.8	59.0	59.2	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	60.0
IN 500	54.4	58.3	59.9	61.7	61.9	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.1
IN 450	56.5	61.1	62.9	64.7	65.1	65.3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.3
IN 400	58.9	63.5	65.3	67.1	67.5	67.6	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.6
IN 350	60.6	65.1	67.2	69.0	69.4	69.6	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.4	70.4	70.7
IN 300	65.3	70.4	72.5	75.0	75.4	75.6	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.4	76.4	76.7
IN 250	68.2	73.9	76.3	79.0	79.4	79.7	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.6	80.6	80.8
IN 200	70.3	76.3	79.0	82.2	82.8	83.1	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.9	83.9	84.2
IN 1800	71.5	77.8	80.7	84.0	84.9	85.1	85.3	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.3
IN 1500	72.6	79.2	82.5	86.1	86.9	87.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	88.1	88.1	88.3
IN 1200	73.1	79.9	83.3	87.2	88.2	88.5	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.6
IN 1000	73.1	80.6	84.2	88.6	89.7	90.0	90.3	91.4	91.4	91.4	91.4	91.4	91.4	91.7	91.7	91.9
IN 900	73.2	81.1	84.7	89.6	90.8	91.1	91.4	92.5	92.5	92.5	92.5	92.5	92.5	92.8	92.8	93.1
IN 800	73.3	81.4	85.4	90.3	91.7	91.9	92.2	93.3	93.3	93.3	93.3	93.3	93.3	93.6	93.6	93.9
IN 700	73.6	81.7	86.1	91.1	92.6	92.9	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.6	94.9
IN 600	73.6	81.8	86.5	92.1	93.6	93.9	94.4	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.0	96.3
IN 500	73.8	82.2	86.9	92.6	94.4	94.7	95.6	96.9	96.9	96.9	97.1	97.1	97.1	97.4	97.4	97.6
IN 400	73.8	82.4	87.1	93.1	95.0	95.3	96.3	97.6	97.8	97.8	98.1	98.1	98.1	98.3	98.3	98.6
IN 300	73.8	82.4	87.1	93.1	95.0	95.3	96.3	97.6	97.9	98.1	98.6	98.6	98.6	98.9	98.9	99.2
IN 200	73.8	82.4	87.1	93.1	95.0	95.4	96.4	97.9	98.2	98.3	98.9	98.9	98.9	99.2	99.2	99.4
IN 100	73.8	82.4	87.1	93.1	95.0	95.4	96.4	97.9	98.2	98.3	98.9	98.9	98.9	99.6	99.6	99.9
IN 0	73.8	82.4	87.1	93.1	95.0	95.4	96.4	97.9	98.2	98.3	98.9	98.9	98.9	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

CLIMATE CLIMATOLOGY BRANCH  
 AFM/TAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72443  
 STATION

AUSTIN STRAUBEL WI  
 STATION NAME

73-80  
 YEARS

VOL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING	37.5	43.7	42.4	43.5	43.5	43.5	43.6	43.6	43.6	43.9	43.9	43.9	44.2	44.2	44.4	44.4
≥ 20000	36.5	41.7	43.3	44.4	44.4	44.4	44.6	44.6	44.6	44.9	44.9	44.9	45.1	45.3	45.6	45.7
≥ 18000	36.5	41.7	43.3	44.4	44.4	44.4	44.6	44.6	44.6	44.9	44.9	44.9	45.1	45.3	45.6	45.7
≥ 16000	36.5	42.1	43.8	44.9	44.9	44.9	45.0	45.0	45.0	45.3	45.3	45.3	45.6	45.7	46.0	46.1
≥ 14000	39.4	42.6	44.3	45.4	45.4	45.4	45.6	45.6	45.6	45.8	45.8	45.8	46.1	46.3	46.5	46.7
≥ 12000	41.7	44.9	46.5	47.9	47.9	47.9	48.1	48.1	48.1	48.3	48.3	48.3	48.6	48.8	49.0	49.2
≥ 10000	42.9	46.5	48.3	49.9	49.9	49.9	50.0	50.0	50.0	50.3	50.3	50.3	50.6	50.7	51.0	51.1
≥ 9000	43.5	47.2	49.0	50.6	50.6	50.6	51.0	51.0	51.0	51.3	51.3	51.3	51.5	51.7	51.9	52.1
≥ 8000	44.2	47.9	49.9	51.4	51.4	51.7	51.8	51.8	51.8	52.1	52.1	52.1	52.4	52.5	52.8	52.9
≥ 7000	46.0	49.9	51.8	53.3	53.3	53.6	53.8	53.8	53.8	54.0	54.0	54.0	54.3	54.4	54.7	54.9
≥ 6000	49.0	53.1	55.0	56.5	56.5	56.8	56.9	56.9	56.9	57.2	57.2	57.2	57.5	57.6	57.9	58.1
≥ 5000	52.4	56.7	58.6	60.1	60.1	60.6	60.7	60.7	60.7	61.0	61.0	61.0	61.3	61.4	61.7	61.8
≥ 4500	53.6	58.3	60.4	62.5	62.5	62.9	63.1	63.1	63.1	63.3	63.3	63.3	63.6	63.6	64.0	64.2
≥ 4000	55.1	60.1	62.5	64.7	64.7	65.1	65.3	65.3	65.3	65.6	65.6	65.6	65.8	66.0	66.3	66.4
≥ 3500	56.7	61.3	63.9	66.1	66.3	66.7	66.8	66.8	66.8	67.1	67.1	67.1	67.4	67.5	67.8	67.9
≥ 3000	59.0	64.3	66.9	69.3	69.4	69.9	70.1	70.3	70.3	70.6	70.6	70.6	70.8	71.0	71.3	71.4
≥ 2500	63.9	69.7	72.4	75.4	75.8	76.4	76.7	76.8	76.8	77.1	77.1	77.1	77.4	77.5	77.8	77.9
≥ 2000	66.4	72.2	75.0	78.3	78.8	79.3	79.7	79.9	79.9	80.1	80.1	80.1	80.4	80.6	80.9	81.0
≥ 1800	67.1	72.9	75.7	79.0	79.4	80.0	80.6	80.7	80.7	81.0	81.0	81.0	81.3	81.4	81.7	81.8
≥ 1500	68.5	74.7	77.5	81.3	81.8	82.4	82.9	83.3	83.3	83.6	83.6	83.6	83.9	84.0	84.3	84.4
≥ 1200	69.0	75.8	78.9	82.8	83.3	83.9	84.4	85.1	85.1	85.4	85.4	85.4	85.7	85.8	86.1	86.3
≥ 1000	69.4	76.5	79.6	84.2	84.9	85.4	86.3	87.9	87.9	88.2	88.2	88.2	88.5	88.6	88.9	89.0
≥ 900	69.9	77.1	81.4	85.4	86.3	86.8	87.6	89.3	89.3	89.6	89.6	89.6	89.9	90.0	90.3	90.4
≥ 800	70.4	77.9	81.4	86.7	87.5	88.1	89.0	90.7	90.7	91.0	91.0	91.0	91.3	91.4	91.7	91.8
≥ 700	70.7	78.2	82.4	88.5	89.6	90.1	91.1	92.8	92.8	93.1	93.1	93.1	93.3	93.5	93.8	93.9
≥ 600	71.1	78.5	82.8	89.6	90.8	91.4	92.5	94.2	94.2	94.6	94.6	94.6	94.9	95.0	95.3	95.4
≥ 500	71.0	78.5	82.8	89.6	90.8	91.4	92.6	94.3	94.4	94.9	94.9	94.9	95.1	95.3	95.6	95.7
≥ 400	71.0	78.5	82.8	89.7	91.0	91.5	93.2	94.9	95.0	95.4	95.4	95.4	96.0	96.1	96.5	96.7
≥ 300	71.0	78.5	82.8	89.7	91.1	91.7	93.5	95.1	95.3	95.8	95.8	95.8	96.4	96.5	96.9	97.1
≥ 200	71.0	78.5	82.8	89.7	91.4	91.9	93.9	95.8	96.0	96.7	96.8	96.8	97.6	97.8	98.3	98.6
≥ 100	71.0	78.5	82.8	89.7	91.4	91.9	93.9	96.0	96.1	96.8	96.8	96.8	97.9	98.1	99.0	99.3
≥ 0	71.0	78.5	82.8	89.7	91.4	91.9	93.9	96.0	96.1	96.8	96.9	96.9	97.9	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 720

GENERAL CLIMATOLOGY BRANCH  
COMPTAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-40  
STATION

AUSTIN STRAUBEL WJ  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	26.0	31.9	34.9	35.8	37.5	36.9	37.1	37.2	37.2	37.5	37.6	37.6	37.9	37.9	38.2	38.5
≥ 20000	27.4	33.9	37.1	38.5	39.3	39.7	39.9	40.1	40.1	40.4	40.6	40.6	41.0	41.0	41.3	41.7
≥ 18000	27.8	34.3	37.5	38.9	39.7	40.1	40.3	40.6	40.6	40.8	41.0	41.0	41.4	41.4	41.7	42.1
≥ 16000	28.3	34.9	38.1	39.4	40.3	40.7	40.8	41.1	41.1	41.4	41.5	41.5	41.9	41.9	42.2	42.6
≥ 14000	30.3	36.9	40.4	41.9	42.8	43.2	43.3	43.6	43.6	43.9	44.0	44.0	44.4	44.4	44.7	45.1
≥ 12000	31.7	38.5	41.9	43.9	44.3	44.7	44.9	45.1	45.1	45.4	45.6	45.6	46.0	46.0	46.3	46.7
≥ 10000	32.3	39.9	43.3	45.1	46.0	46.4	46.5	46.8	46.8	47.1	47.2	47.2	47.6	47.6	47.9	48.3
≥ 9000	33.1	41.0	44.7	46.5	47.6	48.2	48.3	48.8	48.8	49.1	49.2	49.2	49.6	49.6	49.9	50.3
≥ 8000	35.1	42.9	46.7	48.5	49.6	50.3	50.4	50.8	50.9	51.1	51.3	51.3	51.7	51.7	51.9	52.4
≥ 7000	37.4	45.0	48.8	50.7	51.8	52.5	52.9	53.3	53.3	53.6	53.8	53.8	54.2	54.2	54.4	54.9
≥ 6000	40.4	48.5	52.6	54.6	55.7	56.4	56.8	57.2	57.2	57.5	57.6	57.6	58.1	58.1	58.3	58.8
≥ 5000	42.5	51.3	55.8	57.8	58.9	59.6	60.0	60.4	60.4	60.7	60.8	60.8	61.3	61.3	61.7	62.1
≥ 4500	43.1	52.8	57.5	59.6	60.7	61.4	61.8	62.2	62.2	62.5	62.6	62.6	63.1	63.1	63.5	63.9
≥ 4000	44.3	54.1	58.8	60.8	62.1	62.8	63.2	63.6	63.6	63.9	64.0	64.0	64.4	64.4	64.9	65.3
≥ 3500	45.7	54.9	59.6	61.7	62.9	63.6	64.0	64.4	64.4	64.7	64.9	64.9	65.3	65.3	65.7	66.1
≥ 3000	49.2	58.6	63.5	65.6	66.8	67.5	67.9	68.9	68.9	69.2	69.3	69.3	69.7	69.7	70.1	70.6
≥ 2500	53.6	64.2	69.3	71.5	72.8	73.5	74.0	75.0	75.0	75.3	75.4	75.4	75.8	76.0	76.4	76.8
≥ 2000	55.7	66.4	71.7	74.3	75.6	76.3	77.1	78.1	78.1	78.3	78.5	78.5	78.9	79.1	79.6	80.0
≥ 1800	56.3	67.5	72.8	75.4	76.7	77.4	78.3	79.3	79.3	79.6	79.7	79.7	80.1	80.3	80.8	81.2
≥ 1500	57.4	69.2	74.7	77.4	78.6	79.4	80.4	81.7	81.7	82.1	82.4	82.4	82.8	82.9	83.5	83.9
≥ 1200	58.2	70.6	76.3	79.0	80.3	81.5	82.8	84.0	84.3	84.7	85.0	85.0	85.4	85.6	86.1	86.5
≥ 1000	58.5	71.4	77.1	80.0	81.7	82.9	84.7	86.1	86.4	86.8	87.1	87.1	87.6	87.8	88.3	88.6
≥ 900	58.8	72.2	77.9	81.0	82.9	84.6	86.4	87.9	88.2	88.6	88.9	88.9	89.4	89.6	90.1	90.6
≥ 800	58.9	72.4	78.2	81.3	83.2	85.1	86.9	88.6	88.9	89.3	89.6	89.6	90.1	90.3	90.8	91.3
≥ 700	59.9	72.5	78.6	81.9	84.2	86.3	88.3	90.0	90.3	90.7	91.0	91.0	91.5	91.7	92.2	92.6
≥ 600	59.3	72.9	79.3	83.1	85.3	87.6	90.0	91.8	92.1	92.6	92.9	92.9	93.5	93.6	94.2	94.6
≥ 500	59.3	72.9	79.6	83.3	85.6	87.9	90.4	92.4	92.6	93.2	93.5	93.5	94.0	94.2	94.7	95.1
≥ 400	59.3	72.9	79.6	83.3	85.7	88.1	90.6	92.6	92.9	93.5	93.9	93.9	94.6	94.9	95.4	95.8
≥ 300	59.3	72.9	79.6	83.3	85.7	88.2	90.8	93.2	93.5	94.2	94.7	94.7	95.6	95.8	96.7	97.1
≥ 200	59.3	72.9	79.6	83.3	85.7	88.2	90.8	93.2	93.5	94.2	94.7	94.7	95.6	95.8	96.7	97.1
≥ 100	59.3	72.9	79.6	83.3	85.7	88.2	90.8	93.2	93.5	94.2	94.7	94.7	95.6	95.8	96.7	97.1
≥ 0	59.3	72.9	79.6	83.3	85.7	88.2	90.8	93.2	93.5	94.2	94.7	94.7	95.6	95.8	96.7	97.1

TOTAL NUMBER OF OBSERVATIONS 720

GENERAL CLIMATOLOGY BRANCH  
AFMFLTAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72-40  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥3
NO CEILING ≥ 20000	23.6	33.4	33.9	35.0	35.7	35.8	35.8	35.8	35.8	35.6	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000 ≥ 16000	26.2	36.3	41.6	42.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.5
≥ 14000 ≥ 12000	28.3	36.4	40.7	42.2	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
≥ 10000 ≥ 9000	29.3	37.8	42.1	43.6	44.7	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1
≥ 8000 ≥ 7000	30.3	38.8	43.1	44.6	45.7	45.8	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.1
≥ 6000 ≥ 5000	31.1	41.0	45.6	47.1	48.2	48.3	48.5	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.9
≥ 4500 ≥ 4000	32.3	42.1	46.7	48.2	49.3	49.4	49.6	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	50.0
≥ 3500 ≥ 3000	33.1	43.6	48.2	49.7	50.8	51.1	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.7
≥ 2500 ≥ 2000	33.3	45.7	50.6	52.1	53.2	53.6	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.2
≥ 1800 ≥ 1500	37.1	48.3	53.5	55.3	56.4	56.8	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.4
≥ 1200 ≥ 1000	41.1	51.8	57.2	59.0	60.6	61.0	61.5	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥ 900 ≥ 800	41.4	53.2	58.6	60.4	62.1	62.5	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5
≥ 700 ≥ 600	42.1	54.3	59.7	61.5	63.2	63.6	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥ 500 ≥ 400	44.7	57.6	63.3	65.3	66.9	67.5	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.6
≥ 300 ≥ 200	48.9	63.1	69.0	71.1	73.2	73.9	74.4	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥ 100 ≥ 0	51.5	66.4	72.4	74.4	76.5	77.4	77.9	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.8
≥ 0	52.1	68.1	74.2	76.4	78.5	79.3	79.9	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.7
≥ 0	54.0	69.7	76.0	78.3	80.4	81.4	82.2	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.3
≥ 0	54.9	71.1	77.4	79.9	82.2	83.2	84.0	84.6	85.0	85.3	85.7	85.7	85.7	85.7	85.7	85.8
≥ 0	55.1	71.9	78.3	81.3	84.0	85.0	86.0	86.9	87.4	87.8	88.2	88.2	88.2	88.2	88.2	88.3
≥ 0	55.1	71.9	78.3	81.4	84.2	85.3	86.3	87.4	87.8	88.2	88.6	88.6	88.6	88.6	88.6	88.8
≥ 0	55.1	71.9	78.3	81.5	84.4	85.6	86.7	88.3	88.8	89.2	89.6	89.6	89.6	89.6	89.6	89.7
≥ 0	55.1	72.1	78.5	81.7	84.9	86.0	87.1	89.2	89.6	90.0	90.4	90.4	90.4	90.4	90.4	90.6
≥ 0	55.3	72.2	78.6	81.8	85.1	86.4	87.6	89.9	90.3	90.8	91.8	91.8	91.8	91.8	91.8	91.9
≥ 0	55.4	72.5	78.9	82.2	85.7	86.9	88.2	90.6	91.0	91.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 0	55.4	72.5	78.9	82.5	86.1	87.4	88.6	92.1	92.8	94.0	95.0	95.0	95.0	95.0	95.0	95.1
≥ 0	55.4	72.5	78.9	82.5	86.1	87.4	88.8	92.5	93.2	95.3	96.9	97.1	97.5	97.5	97.5	97.6
≥ 0	55.4	72.5	78.9	82.5	86.1	87.4	88.8	92.6	93.3	95.7	97.8	97.9	98.6	98.8	98.9	99.3
≥ 0	55.4	72.5	78.9	82.5	86.1	87.4	88.8	92.6	93.3	95.7	97.8	97.9	98.6	98.8	98.9	99.6
≥ 0	55.4	72.5	78.9	82.5	86.1	87.4	88.8	92.6	93.3	95.7	97.8	97.9	98.6	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-3 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72-45  
STATION

AUSTIN STRAUBEL W:  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	27.2	33.6	34.7	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 18000 ≥ 16000	31.5	39.7	41.1	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 14000 ≥ 12000	31.5	40.0	41.4	41.7	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 10000 ≥ 9000	32.4	41.1	42.6	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000 ≥ 7000	33.6	42.1	43.8	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000 ≥ 5000	35.6	44.9	46.5	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4500 ≥ 4000	36.1	45.8	47.5	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 3500 ≥ 3000	37.4	47.5	49.3	49.7	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 2500 ≥ 2000	38.2	48.5	50.4	51.1	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 1800 ≥ 1500	39.9	50.3	52.2	53.1	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1200 ≥ 1000	41.1	51.7	53.6	54.7	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 900 ≥ 800	42.4	53.9	55.8	57.2	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 700 ≥ 600	43.3	56.0	57.9	59.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 500 ≥ 400	46.0	58.1	60.1	61.7	62.6	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 300 ≥ 200	49.9	62.8	64.9	66.5	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 100 0	54.4	69.3	71.8	73.6	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 100 0	58.5	73.9	76.5	78.3	79.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 100 0	58.5	74.3	76.9	78.8	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 100 0	59.3	76.1	78.8	80.6	82.2	82.4	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 100 0	60.6	78.2	81.0	83.1	84.7	84.9	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 100 0	60.7	79.0	81.9	84.6	86.7	86.9	87.6	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 100 0	60.7	79.0	81.8	84.7	86.8	87.4	88.1	88.3	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
≥ 100 0	60.7	79.3	82.1	85.1	87.2	87.9	88.6	89.3	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100 0	60.7	79.6	82.6	86.0	88.1	89.4	90.1	90.8	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 100 0	60.8	79.7	82.9	86.4	88.5	89.9	90.7	91.5	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4
≥ 100 0	60.8	79.7	83.1	86.5	88.8	90.6	91.5	92.9	93.2	93.5	94.0	94.0	94.2	94.2	94.2	94.2
≥ 100 0	60.8	79.7	83.1	86.7	88.9	90.8	91.8	93.5	94.3	94.3	94.9	95.0	95.1	95.1	95.1	95.1
≥ 100 0	60.8	79.7	83.1	86.7	89.0	91.0	92.1	93.8	94.6	95.6	96.9	97.2	97.6	97.9	97.9	97.9
≥ 100 0	60.8	79.7	83.1	86.7	89.0	91.1	92.4	94.2	95.0	96.3	97.9	98.2	98.8	99.0	99.0	99.0
≥ 100 0	60.8	79.7	83.1	86.7	89.0	91.1	92.4	94.2	95.0	96.3	97.9	98.2	99.0	99.3	99.4	99.6
≥ 100 0	60.8	79.7	83.1	86.7	89.0	91.1	92.4	94.2	95.0	96.3	97.9	98.2	99.0	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 720

2  
JOURNAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726451     AUSTIN STRAUBEL WI  
STATION     STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	29.9	36.7	37.1	37.5	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 20000	34.3	42.2	43.2	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000	34.3	42.2	43.2	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 16000	34.3	42.2	43.2	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 14000	34.7	42.6	43.6	44.3	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	36.4	44.4	45.6	46.3	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	38.9	47.4	49.0	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 9000	39.6	48.5	50.1	50.8	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	40.4	49.6	51.4	52.2	52.8	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	42.4	52.5	54.3	55.3	55.8	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 6000	43.3	53.8	55.6	56.5	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	46.7	56.7	58.6	59.7	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	48.6	59.4	61.4	62.5	63.1	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 4000	51.3	62.2	64.2	65.3	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3500	53.3	64.9	66.8	67.9	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3000	57.6	69.3	71.4	72.6	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	61.0	73.8	76.8	78.1	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	63.5	76.9	80.0	81.4	82.5	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1800	63.9	77.8	81.0	82.4	83.6	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	64.4	78.3	81.8	83.3	84.9	85.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	64.6	78.6	82.1	83.8	85.4	86.3	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	64.7	79.2	82.8	84.7	86.8	87.6	88.6	89.0	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	64.7	79.3	83.1	85.4	88.1	89.0	90.0	90.4	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800	64.9	79.6	83.3	85.7	88.3	89.3	90.3	90.8	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	64.9	79.7	83.5	86.1	89.0	90.0	91.0	91.5	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	64.9	79.7	83.6	86.4	89.4	90.7	91.7	92.2	92.4	92.8	93.9	93.9	93.9	93.9	93.9	93.9
≥ 500	64.9	79.7	83.6	86.5	89.7	91.0	92.4	93.2	93.3	93.8	95.0	95.0	95.1	95.1	95.1	95.1
≥ 400	64.9	79.7	83.6	86.5	89.9	91.3	92.9	93.9	94.2	95.3	96.7	96.7	96.8	96.8	96.8	96.8
≥ 300	64.9	79.7	83.6	86.8	90.1	91.5	93.9	95.0	95.3	96.5	98.3	98.3	98.5	98.6	98.6	98.6
≥ 200	64.9	79.7	83.6	86.8	90.1	91.5	93.9	95.0	95.3	96.8	98.8	98.8	99.0	99.2	99.2	99.2
≥ 100	64.9	79.7	83.6	86.8	90.1	91.5	93.9	95.0	95.3	96.9	98.9	98.9	99.3	99.4	99.6	99.6
≥ 0	64.9	79.7	83.6	86.8	90.1	91.5	93.9	95.0	95.3	96.9	98.9	98.9	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

728451 AUSTIN STRAUBEL WI

73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾
NO CEILING	31.8	35.6	36.8	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 20000	35.7	39.6	41.7	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 18000	36.1	40.1	41.7	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	36.1	40.1	41.7	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 14000	36.1	40.8	42.4	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	38.5	42.6	44.2	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 10000	41.5	46.1	48.1	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	42.9	47.9	50.1	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	43.5	49.4	51.7	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	45.1	51.1	53.3	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 6000	46.2	54.7	57.2	58.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 5000	51.7	57.9	60.4	61.5	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	53.1	60.3	62.8	64.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4000	55.0	62.2	64.7	66.0	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 3500	59.4	67.1	69.7	71.1	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	62.8	71.0	73.6	75.1	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	67.1	76.4	79.6	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	69.3	79.2	82.5	84.9	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	69.7	79.9	83.6	86.0	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	70.7	81.1	85.3	87.6	89.0	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	70.8	81.4	85.8	88.3	89.9	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	70.8	81.5	86.7	89.6	91.1	91.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	70.8	81.7	86.8	90.0	91.5	91.9	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	70.8	81.7	86.8	90.0	91.7	92.2	92.5	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	70.8	81.7	86.9	90.7	92.9	93.6	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	70.8	81.7	86.9	91.5	94.2	94.9	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	70.8	81.7	86.9	92.1	94.7	95.4	96.0	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	70.8	81.7	86.9	92.1	95.0	95.7	96.3	97.1	97.4	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	70.8	81.7	86.9	92.5	95.4	96.1	96.8	97.6	97.9	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	70.8	81.7	86.9	92.5	95.4	96.1	96.9	98.1	98.3	99.0	99.0	99.0	99.3	99.4	99.4
≥ 100	70.8	81.7	86.9	92.5	95.4	96.1	96.9	98.1	98.3	99.0	99.0	99.0	99.4	99.6	99.7
≥ 0	70.8	81.7	86.9	92.5	95.4	96.1	96.9	98.1	98.3	99.0	99.0	99.0	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	37.1	39.3	39.7	40.3	40.6	40.7	40.8	41.1	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.7
≥ 20000	38.2	40.7	41.5	42.2	42.5	42.6	42.8	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.6
≥ 18000	38.3	40.8	41.7	42.4	42.6	42.8	42.9	43.2	43.3	43.3	43.3	43.3	43.5	43.5	43.5	43.8
≥ 16000	38.5	41.0	41.8	42.5	42.8	42.9	43.1	43.3	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.9
≥ 14000	39.4	41.9	42.8	43.5	43.8	43.9	44.0	44.3	44.4	44.4	44.4	44.4	44.6	44.6	44.6	44.9
≥ 12000	41.1	43.8	44.6	45.3	45.6	45.7	45.8	46.1	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.7
≥ 10000	43.6	46.4	47.4	48.1	48.5	48.6	48.8	49.0	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.6
≥ 9000	45.0	48.1	49.3	50.4	51.0	51.1	51.4	51.7	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.2
≥ 8000	45.6	49.2	50.4	51.5	52.1	52.2	52.5	52.8	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.3
≥ 7000	46.2	52.1	53.3	54.4	55.0	55.1	55.4	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.3
≥ 6000	51.6	56.0	57.5	58.8	59.3	59.4	59.7	60.1	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.7
≥ 5000	53.1	57.5	59.3	60.6	61.1	61.3	61.5	61.9	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.5
≥ 4500	55.6	59.9	61.7	63.1	63.6	63.8	64.0	64.4	64.6	64.6	64.6	64.6	64.7	64.7	64.7	65.0
≥ 4000	58.2	62.6	64.4	66.1	66.7	66.8	67.1	67.5	67.6	67.6	67.6	67.6	67.8	67.8	67.8	68.1
≥ 3500	61.1	65.6	67.4	69.0	69.6	69.7	70.0	70.4	70.6	70.6	70.6	70.6	70.7	70.7	70.7	71.0
≥ 3000	66.8	71.9	73.8	75.4	76.0	76.1	76.4	76.8	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.4
≥ 2500	70.6	76.4	78.2	80.0	80.6	80.7	81.0	81.4	81.5	81.5	81.5	81.5	81.7	81.7	81.7	81.9
≥ 2000	72.4	79.6	81.8	83.8	84.3	84.4	84.9	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.7	86.0
≥ 1800	72.5	80.3	82.8	84.9	85.4	85.6	86.0	86.5	86.7	86.7	86.7	86.7	86.8	86.8	86.8	87.1
≥ 1500	73.8	82.2	85.1	87.6	88.2	88.3	88.8	89.3	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.9
≥ 1200	73.9	82.6	85.8	88.3	88.9	89.0	89.6	90.1	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.7
≥ 1000	74.2	83.1	86.7	89.3	89.9	90.1	90.8	91.4	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.9
≥ 900	74.2	83.2	86.9	89.9	90.4	90.7	91.4	92.2	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.8
≥ 800	74.2	83.3	87.4	90.6	91.1	91.4	92.1	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.8
≥ 700	74.2	83.6	87.8	91.3	92.1	92.4	93.1	94.2	94.4	94.6	94.6	94.6	94.7	94.7	94.7	95.0
≥ 600	74.2	83.9	88.2	91.8	92.6	93.1	93.8	94.9	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.7
≥ 500	74.2	83.9	88.2	91.9	93.2	93.6	94.4	95.7	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.5
≥ 400	74.2	83.9	88.2	92.1	93.3	93.8	94.7	96.0	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.8
≥ 300	74.2	83.9	88.2	92.1	93.8	94.2	95.1	96.7	96.9	97.1	97.1	97.1	97.4	97.4	97.4	97.6
≥ 200	74.2	83.9	88.2	92.2	94.0	94.4	95.4	97.4	97.6	97.9	98.1	98.1	98.9	99.0	99.2	99.4
≥ 100	74.2	83.9	88.2	92.2	94.0	94.4	95.6	97.5	97.8	98.1	98.2	98.2	99.0	99.3	99.6	99.9
≥ 0	74.2	83.9	88.2	92.2	94.0	94.4	95.6	97.5	97.8	98.1	98.2	98.2	99.0	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 720

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

726451  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 3/8	≥ 0
NO CEILING	31.5	36.4	37.9	38.6	38.8	38.9	39.0	39.1	39.1	39.2	39.2	39.2	39.2	39.3	39.3	39.4
≥ 20000	34.3	39.6	41.4	42.3	42.7	42.9	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.2	43.3	43.5
≥ 18000	34.4	39.8	41.7	42.6	43.0	43.1	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.5	43.5	43.7
≥ 16000	34.7	40.1	41.9	42.8	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.8	43.8	44.0
≥ 14000	35.6	41.7	42.9	43.9	44.3	44.4	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.8	44.8	45.0
≥ 12000	37.3	42.6	44.5	45.5	45.9	46.0	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.6
≥ 10000	38.9	44.9	47.7	48.0	48.5	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	49.1	49.1	49.3
≥ 9500	39.9	46.2	48.5	49.6	50.1	50.3	50.4	50.5	50.6	50.6	50.7	50.7	50.7	50.8	50.8	51.0
≥ 8000	40.9	47.4	49.8	50.9	51.5	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.3	52.3	52.5
≥ 7000	42.6	49.6	52.0	53.2	53.8	54.1	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.6	54.7	54.9
≥ 6000	45.2	52.5	55.1	56.5	57.1	57.4	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.9	58.0	58.2
≥ 5000	47.3	54.9	57.6	59.0	59.7	60.0	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.8
≥ 4500	49.2	57.2	60.0	61.6	62.3	62.6	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.5
≥ 4000	51.1	59.2	62.0	63.7	64.5	64.8	65.0	65.2	65.2	65.3	65.3	65.3	65.3	65.4	65.5	65.7
≥ 3500	53.1	61.4	64.3	66.0	66.8	67.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.8	68.0
≥ 3000	56.3	65.7	68.7	70.6	71.4	71.7	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.5	72.5	72.8
≥ 2500	61.3	70.8	74.2	76.3	77.3	77.6	77.9	78.2	78.2	78.3	78.3	78.3	78.3	78.5	78.5	78.8
≥ 2000	63.4	73.9	77.4	79.7	80.7	81.1	81.5	81.8	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.4
≥ 1800	64.1	74.8	78.5	80.9	81.9	82.3	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.4	83.4	83.7
≥ 1500	65.1	76.3	80.2	82.8	84.0	84.5	85.0	85.4	85.5	85.6	85.6	85.6	85.6	85.8	85.8	86.1
≥ 1200	65.6	77.3	81.3	84.0	85.4	85.9	86.5	87.0	87.2	87.3	87.4	87.4	87.4	87.5	87.6	87.8
≥ 1000	65.8	77.9	82.1	85.3	86.8	87.4	88.3	89.1	89.2	89.4	89.5	89.5	89.5	89.7	89.7	90.0
≥ 900	65.9	78.2	82.5	85.9	87.6	88.4	89.2	90.1	90.2	90.4	90.5	90.5	90.5	90.7	90.7	91.0
≥ 800	66.0	78.4	82.9	86.4	88.1	88.9	89.8	90.9	91.0	91.2	91.4	91.4	91.4	91.5	91.5	91.8
≥ 700	66.1	78.6	83.3	87.2	89.2	90.1	91.0	92.2	92.3	92.6	92.7	92.7	92.7	92.8	92.9	93.1
≥ 600	66.3	78.8	83.6	87.8	89.9	91.0	92.0	93.3	93.5	93.8	94.1	94.1	94.1	94.3	94.3	94.5
≥ 500	66.3	78.9	83.8	88.1	90.4	91.4	92.6	94.1	94.3	94.7	95.1	95.1	95.1	95.3	95.3	95.6
≥ 400	66.3	78.9	83.8	88.2	90.6	91.7	93.0	94.7	95.0	95.6	96.0	96.0	96.0	96.3	96.3	96.6
≥ 300	66.3	78.9	83.8	88.3	90.8	91.9	93.4	95.2	95.6	96.4	97.1	97.2	97.2	97.5	97.6	97.9
≥ 200	66.3	78.9	83.8	88.4	90.9	92.0	93.6	95.5	95.9	96.9	97.8	97.8	97.8	98.5	98.6	99.1
≥ 100	66.3	78.9	83.8	88.4	90.9	92.0	93.6	95.6	95.9	96.9	97.8	97.9	97.9	98.7	98.9	99.6
≥ 0	66.3	78.9	83.8	88.4	90.9	92.0	93.6	95.6	95.9	96.9	97.8	97.9	97.9	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 576

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726450  
STATION

AUSTIN STRAUBEL MI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	35.9	37.9	38.2	39.0	39.2	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 20000	37.8	39.8	40.1	40.9	41.1	41.1	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 18000	37.9	39.9	40.2	41.0	41.3	41.3	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 16000	38.0	40.0	40.3	41.1	41.4	41.4	41.5	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 14000	38.8	41.0	41.3	42.1	42.3	42.3	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	40.5	42.6	42.9	43.7	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 10000	42.1	44.5	44.8	45.6	45.8	45.8	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 9000	43.3	46.0	46.2	47.2	47.4	47.4	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	44.2	46.9	47.2	48.1	48.4	48.4	48.5	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 7000	45.3	48.1	48.4	49.5	49.7	49.9	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 6000	46.8	50.0	50.3	51.5	51.7	51.9	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 5000	48.9	53.1	53.5	55.0	55.4	55.5	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 4500	49.3	53.8	54.2	55.6	56.0	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000	49.7	55.0	55.4	56.9	57.3	57.4	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3500	51.2	56.7	57.4	58.9	59.3	59.4	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3000	53.6	59.8	61.1	62.5	62.9	63.0	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2500	57.1	64.2	65.6	67.3	67.7	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2000	61.6	70.2	72.0	74.6	75.1	75.4	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1800	63.0	71.8	73.9	76.6	77.2	77.4	78.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	64.2	73.7	76.3	80.0	80.5	80.8	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	64.8	74.7	77.6	82.1	82.7	82.9	83.6	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	64.9	75.4	78.6	83.7	84.3	84.9	86.0	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 900	65.1	76.1	79.6	84.9	85.5	86.2	87.2	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 800	65.1	76.1	79.8	85.9	86.2	86.8	88.0	89.4	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 700	65.1	76.1	80.4	86.7	87.4	88.2	89.5	90.9	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 600	65.1	76.2	80.6	87.6	88.3	89.1	90.6	91.9	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	65.1	76.6	81.2	88.6	89.2	90.1	91.5	93.0	93.0	94.1	94.4	94.4	94.4	94.6	94.6	94.6
≥ 400	65.1	76.9	81.6	89.1	89.8	90.6	92.3	94.0	94.0	95.4	95.7	95.7	96.0	96.0	96.0	96.0
≥ 300	65.1	76.9	81.6	89.2	89.9	90.7	92.7	94.5	94.5	96.2	96.8	96.8	97.2	97.2	97.2	97.2
≥ 200	65.1	76.9	81.6	89.2	89.9	90.7	92.7	94.5	94.5	96.4	97.2	97.2	98.1	98.1	98.1	98.3
≥ 100	65.1	76.9	81.6	89.2	89.9	90.7	92.7	94.5	94.5	96.4	97.2	97.2	98.5	98.5	99.3	99.5
≥ 0	65.1	76.9	81.6	89.2	89.9	90.7	92.7	94.5	94.5	96.4	97.2	97.2	98.5	98.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

721451  
STATION

AUSTIN STRAUBEL W1  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	34.0	37.0	37.6	38.7	38.8	36.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	39.0	39.4
≥ 20000	34.0	37.0	38.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8	40.2
≥ 18000	34.0	37.0	38.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8	40.2
≥ 16000	34.0	37.0	38.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8	40.2
≥ 14000	35.2	38.6	39.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	41.0
≥ 12000	36.2	39.8	40.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	42.2
≥ 10000	38.8	42.5	43.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.9
≥ 9000	42.6	46.5	47.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	49.1
≥ 8000	43.0	47.3	48.1	49.2	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	50.0
≥ 7000	43.0	48.3	49.3	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	51.3
≥ 6000	44.4	49.2	50.4	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.4
≥ 5000	46.0	52.8	54.0	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	56.0
≥ 4500	47.4	53.6	54.8	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.9
≥ 4000	48.3	54.7	55.9	57.1	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	58.2
≥ 3500	49.1	55.6	56.9	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.4
≥ 3000	52.7	59.4	60.9	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.6
≥ 2500	56.3	64.4	66.5	68.8	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	70.0
≥ 2000	59.4	68.4	70.8	73.7	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	75.0
≥ 1800	60.9	70.0	72.4	75.3	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.6
≥ 1500	62.6	73.1	75.6	78.8	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	80.2
≥ 1200	63.8	74.5	77.6	80.6	81.2	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.8
≥ 1000	64.2	76.1	79.4	82.8	83.3	83.9	84.5	84.9	85.1	85.2	85.2	85.2	85.2	85.3	85.5	85.9
≥ 900	64.2	76.7	80.2	83.9	84.4	84.9	85.8	86.2	86.3	86.4	86.4	86.4	86.4	86.6	86.7	87.1
≥ 800	64.2	77.0	80.6	84.3	84.8	85.3	86.2	86.8	87.0	87.4	87.4	87.4	87.4	87.5	87.6	88.0
≥ 700	64.2	77.3	81.5	85.5	86.0	86.6	87.4	88.2	88.3	88.7	88.7	88.7	88.7	88.8	89.0	89.4
≥ 600	64.2	77.4	81.6	86.0	86.6	87.1	88.2	89.1	89.2	89.7	89.7	89.7	89.7	89.8	90.1	90.5
≥ 500	64.2	77.6	82.3	87.5	88.0	88.6	90.2	91.1	91.3	92.2	92.3	92.3	92.3	92.5	92.7	93.1
≥ 400	64.2	77.6	82.3	87.9	88.4	89.0	91.1	92.5	92.6	93.8	94.0	94.0	94.0	94.1	94.5	94.9
≥ 300	64.2	77.6	82.3	87.9	88.4	89.0	91.1	92.6	92.7	94.5	94.9	94.9	94.9	95.4	96.0	96.4
≥ 200	64.4	78.0	82.4	88.0	88.6	89.2	91.4	93.3	93.4	95.6	96.0	96.0	96.0	97.4	97.6	98.5
≥ 100	64.4	78.0	82.4	88.0	88.6	89.2	91.4	93.3	93.4	95.6	96.1	96.1	96.1	97.7	98.0	99.5
≥ 0	64.4	78.0	82.4	88.0	88.6	89.2	91.4	93.3	93.4	95.6	96.1	96.1	96.1	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

721450

AUSTIN STRAUBEL WI

73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-8800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	29.7	32.9	33.3	34.1	34.1	34.1	34.3	34.4	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.8
≥ 20000	32.3	35.2	35.8	36.6	36.6	36.6	36.8	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.4
≥ 18000	32.7	36.0	36.6	37.4	37.4	37.4	37.6	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.2
≥ 16000	32.7	36.0	36.6	37.4	37.4	37.4	37.6	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.2
≥ 14000	33.7	37.1	37.8	38.6	38.6	38.6	38.8	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.4
≥ 12000	34.3	38.6	39.2	40.1	40.1	40.1	40.3	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.9
≥ 10000	39.1	43.3	44.1	44.9	44.9	44.9	45.2	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7
≥ 9000	41.4	45.8	46.6	47.4	47.4	47.4	47.7	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.3
≥ 8000	41.7	46.2	47.2	48.0	48.0	48.0	48.3	48.4	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.8
≥ 7000	43.3	48.4	49.3	50.1	50.3	50.3	50.5	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1
≥ 6000	44.2	50.4	51.5	52.3	52.4	52.4	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.4
≥ 5000	46.3	53.0	54.6	55.4	55.5	55.5	55.9	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.5
≥ 4500	47.4	54.3	56.2	57.0	57.1	57.1	57.5	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.1
≥ 4000	48.1	55.2	57.4	58.2	58.3	58.3	58.7	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.3
≥ 3500	49.6	56.9	59.1	59.8	60.1	60.1	60.5	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	61.0
≥ 3000	51.2	59.3	61.6	62.4	62.6	62.6	63.2	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7
≥ 2500	54.2	62.9	66.0	67.2	67.5	67.6	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.7
≥ 2000	56.6	65.9	70.2	71.8	72.2	72.4	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 1800	57.5	67.2	71.6	73.5	73.9	74.2	75.1	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.7
≥ 1500	58.5	68.7	73.8	75.8	76.3	76.7	78.0	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.8
≥ 1200	59.1	71.1	76.5	78.5	79.3	80.0	81.3	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 1000	59.7	71.9	77.8	80.0	80.9	81.7	83.5	84.1	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.2
≥ 900	59.8	72.3	78.5	80.8	81.7	82.5	84.3	85.1	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.2
≥ 800	59.8	72.3	78.6	81.0	82.1	83.1	84.9	85.9	86.6	86.7	86.8	86.8	86.8	86.8	86.8	87.0
≥ 700	59.8	72.4	79.0	81.7	82.9	83.9	86.0	87.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.6
≥ 600	59.9	72.6	79.6	83.1	84.4	85.5	87.8	89.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.5
≥ 500	60.1	72.8	79.8	83.6	84.9	86.3	89.0	90.5	91.5	92.2	92.6	92.9	92.9	92.9	92.9	93.0
≥ 400	60.1	72.8	79.8	83.9	85.2	86.8	90.3	92.5	93.5	94.6	95.2	95.4	95.6	95.6	95.6	95.7
≥ 300	60.1	72.8	79.8	83.9	85.3	87.0	90.7	93.0	94.1	95.2	95.8	96.1	96.6	96.6	96.6	96.8
≥ 200	60.1	72.8	79.8	83.9	85.3	87.0	90.7	93.0	94.1	95.6	96.4	96.9	97.8	97.8	97.8	98.0
≥ 100	60.1	72.8	79.8	83.9	85.3	87.0	90.7	93.0	94.1	95.6	96.4	96.9	98.0	98.0	98.0	98.7
≥ 0	60.1	72.8	79.8	83.9	85.3	87.0	90.7	93.0	94.1	95.6	96.4	96.9	98.0	98.0	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72645  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	25.3	32.1	33.6	34.3	34.4	34.4	34.4	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.2	35.2
≥ 20000	29.7	35.8	37.4	38.0	38.2	38.2	38.2	38.6	38.7	38.8	39.0	39.0	39.1	39.1	39.5	39.5
≥ 18000	29.3	36.0	37.6	38.3	38.4	38.4	38.4	38.8	39.0	39.1	39.2	39.2	39.4	39.4	39.8	39.8
≥ 16000	29.3	36.0	37.6	38.3	38.4	38.4	38.4	38.8	39.0	39.1	39.2	39.2	39.4	39.4	39.8	39.8
≥ 14000	30.4	37.2	38.8	39.5	39.7	39.7	39.7	40.1	40.2	40.3	40.5	40.5	40.6	40.6	41.0	41.0
≥ 12000	32.3	39.5	41.1	41.8	41.9	41.9	41.9	42.3	42.5	42.6	42.7	42.7	42.9	42.9	43.3	43.3
≥ 10000	36.0	43.4	45.6	46.2	46.4	46.4	46.4	46.8	46.9	47.0	47.2	47.2	47.3	47.3	47.7	47.7
≥ 9000	37.0	45.0	47.2	47.8	48.0	48.0	48.0	48.4	48.5	48.7	48.8	48.8	48.9	48.9	49.3	49.3
≥ 8000	38.3	46.5	48.7	49.3	49.7	49.9	50.0	50.4	50.5	50.7	50.8	50.8	50.9	50.9	51.3	51.3
≥ 7000	39.7	49.1	51.2	51.9	52.4	52.8	53.1	53.5	53.6	53.8	53.9	53.9	54.0	54.0	54.4	54.4
≥ 6000	41.5	51.3	53.5	54.2	54.7	55.1	55.4	55.8	55.9	56.0	56.2	56.2	56.3	56.3	56.7	56.7
≥ 5000	42.6	52.8	55.2	55.9	56.5	56.9	57.3	57.7	57.8	57.9	58.1	58.1	58.2	58.2	58.6	58.6
≥ 4500	43.1	53.9	56.3	56.7	57.3	57.7	58.1	58.5	58.6	58.7	58.9	58.9	59.0	59.0	59.4	59.4
≥ 4000	43.7	54.6	57.5	58.2	58.9	59.3	59.8	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.4	61.4
≥ 3500	43.8	55.5	58.7	59.7	60.5	60.9	61.4	62.1	62.2	62.4	62.5	62.5	62.6	62.6	63.0	63.0
≥ 3000	44.6	56.6	60.1	61.4	62.4	62.9	63.4	64.2	64.5	64.8	64.9	64.9	65.1	65.1	65.5	65.5
≥ 2500	45.8	58.6	62.6	64.2	65.2	65.7	66.4	67.2	67.5	67.7	67.9	67.9	68.0	68.0	68.4	68.4
≥ 2000	47.4	61.8	66.4	68.3	69.4	70.3	71.1	72.0	72.3	72.6	72.7	72.7	72.8	72.8	73.3	73.3
≥ 1800	47.8	62.9	67.6	69.6	70.7	71.9	72.7	73.7	73.9	74.2	74.3	74.3	74.5	74.5	74.9	74.9
≥ 1500	48.5	64.8	70.0	72.3	73.5	75.1	76.1	77.0	77.3	77.6	77.7	77.7	77.8	77.8	78.2	78.2
≥ 1200	49.1	66.0	71.6	74.3	75.8	77.6	78.5	79.6	79.8	80.1	80.2	80.2	80.4	80.4	80.8	80.8
≥ 1000	49.2	67.3	73.7	76.5	78.2	80.2	81.2	82.4	82.7	82.9	83.1	83.1	83.2	83.2	83.6	83.6
≥ 900	49.2	67.5	74.1	77.0	78.8	80.9	82.3	83.7	84.0	84.4	84.5	84.5	84.7	84.7	85.1	85.1
≥ 800	49.2	67.5	74.1	77.2	79.0	81.5	83.3	84.9	85.2	85.8	85.9	85.9	86.0	86.0	86.4	86.4
≥ 700	49.3	67.7	74.6	77.7	79.7	82.1	84.0	86.0	86.3	86.8	87.0	87.0	87.1	87.1	87.5	87.5
≥ 600	49.3	67.7	74.7	78.0	80.2	82.7	85.5	87.6	88.2	88.8	89.1	89.1	89.4	89.4	89.8	89.8
≥ 500	49.3	67.7	74.7	78.1	80.5	83.2	86.8	89.9	90.5	91.1	91.4	91.4	91.7	91.7	92.1	92.1
≥ 400	49.5	68.0	75.0	78.5	80.9	83.9	88.3	91.7	92.2	93.5	94.0	94.0	94.2	94.4	94.8	94.8
≥ 300	49.5	68.3	75.3	78.8	81.3	84.3	88.8	92.3	92.9	94.6	95.3	95.3	96.0	96.4	96.8	96.8
≥ 200	49.5	68.3	75.3	78.8	81.3	84.3	89.0	92.6	93.5	95.3	96.0	96.0	96.9	97.3	97.7	97.7
≥ 100	49.5	68.3	75.3	78.8	81.3	84.3	89.0	92.6	93.7	95.4	96.1	96.1	97.2	97.7	98.5	98.5
≥ 0	49.5	68.3	75.3	78.8	81.3	84.3	89.0	92.6	93.7	95.4	96.1	96.1	97.2	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

720457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	28.5	34.5	35.1	35.2	35.8	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	37.4	37.5	38.2	38.6	39.1	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 18000	38.9	37.9	38.6	39.0	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 16000	38.9	37.9	38.6	39.0	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 14000	32.4	39.5	40.2	40.6	41.1	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 12000	34.7	41.8	42.5	43.0	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000	38.0	45.6	46.5	47.0	47.6	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	39.0	46.5	47.6	48.1	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 8000	37.9	47.8	49.2	49.7	50.3	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 7000	41.1	49.7	51.1	51.7	52.3	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	41.3	50.3	51.6	52.3	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	42.1	51.5	52.8	53.5	54.0	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	42.2	51.9	53.2	54.0	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4000	43.3	53.6	55.0	55.8	56.5	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	44.3	55.0	56.3	57.1	57.8	57.9	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 3000	45.4	56.0	57.8	58.9	59.7	59.8	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 2500	48.5	60.6	62.9	64.0	64.8	64.9	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2000	50.8	64.9	67.6	69.0	70.0	70.4	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1800	51.2	66.0	69.0	70.4	71.6	72.0	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 1500	52.4	68.5	71.9	73.9	75.5	76.1	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1200	53.1	70.6	74.9	77.4	79.2	80.0	80.6	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1000	53.4	71.9	76.6	79.3	81.5	82.4	83.7	84.7	84.7	85.3	85.5	85.5	85.5	85.5	85.5	85.5
≥ 900	53.4	71.9	76.9	80.0	82.5	83.6	84.9	86.0	86.0	86.7	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	53.4	71.9	76.9	80.1	82.7	83.7	85.2	86.6	86.6	87.2	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	53.4	71.9	77.3	80.9	84.0	85.2	87.1	88.7	88.7	89.5	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	53.4	71.9	77.3	81.0	84.3	85.6	87.6	89.2	89.4	90.3	90.9	90.9	91.1	91.1	91.1	91.1
≥ 500	53.8	72.3	78.0	81.7	85.1	86.6	88.8	90.9	91.0	92.2	92.9	92.9	93.1	93.1	93.1	93.1
≥ 400	53.8	72.3	78.1	81.9	85.2	86.7	89.0	91.7	91.8	93.7	94.6	94.6	95.0	95.0	95.0	95.0
≥ 300	53.8	72.3	78.1	81.9	85.3	86.8	89.1	91.8	91.9	94.0	95.2	95.2	96.0	96.0	96.1	96.1
≥ 200	53.8	72.3	78.1	81.9	85.3	86.8	89.4	92.2	92.5	94.9	96.6	96.6	97.6	97.8	98.4	98.4
≥ 100	53.8	72.3	78.1	81.9	85.3	86.8	89.4	92.2	92.5	94.9	96.6	96.6	97.8	98.1	99.7	100.0
≥ 0	53.8	72.3	78.1	81.9	85.3	86.8	89.4	92.2	92.5	94.9	96.6	96.6	97.8	98.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 744



2  
GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

726457  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING ≥ 20000	23.2	33.7	34.5	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 18000 IV 18000	31.6	39.3	40.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 16000	31.6	39.4	40.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 14000	32.1	39.9	41.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 12000	33.2	41.0	42.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 10000 IV 10000	35.6	43.5	44.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000	37.9	46.1	47.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 8000 IV 8000	39.0	47.3	48.9	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 7000	40.2	48.7	50.3	51.6	51.6	51.6	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 6000	41.3	50.3	51.9	53.2	53.2	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 5000	42.1	51.5	53.4	54.8	55.0	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 4500	43.4	53.2	55.1	56.6	56.7	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	44.5	54.7	56.6	58.1	58.2	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 3500	45.3	55.9	57.9	59.5	59.7	59.7	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3000	47.0	57.8	59.8	61.4	61.6	61.6	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 2500	49.6	62.0	64.5	66.3	66.5	66.5	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 2000	53.6	67.7	71.1	72.8	73.4	73.5	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 1800	53.9	68.3	72.3	74.3	75.0	75.1	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1500	54.3	71.0	75.7	78.0	79.2	79.3	79.8	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1200	55.4	72.8	77.7	80.4	81.6	82.1	82.7	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 1000	55.3	73.5	78.6	81.7	83.5	84.3	85.1	86.2	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 900	55.8	73.7	79.1	82.3	84.4	85.2	86.2	87.2	87.2	87.8	87.9	87.9	87.9	87.9	87.9	87.9
IV 800	55.8	73.7	79.1	82.4	84.7	85.5	86.6	87.9	87.9	88.4	88.6	88.6	88.6	88.6	88.6	88.6
IV 700	55.8	73.7	79.4	83.1	85.3	86.2	87.2	89.0	89.4	90.1	90.2	90.2	90.2	90.2	90.2	90.2
IV 600	55.3	73.7	79.4	83.2	85.6	86.7	87.9	89.8	90.2	91.0	91.1	91.1	91.1	91.1	91.1	91.1
IV 500	55.8	73.9	79.7	83.5	85.9	87.0	88.3	90.7	91.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	55.3	73.9	79.7	83.5	85.9	87.0	88.3	91.0	91.5	92.7	93.8	93.8	94.0	94.0	94.0	94.0
IV 300	55.8	74.1	80.0	83.7	86.3	87.4	88.7	91.5	92.1	93.7	94.9	95.0	95.7	96.0	96.0	96.0
IV 200	55.9	74.1	80.0	83.7	86.4	87.5	88.8	91.9	92.5	94.2	95.7	95.8	97.0	97.4	97.8	97.8
IV 100	55.3	74.1	80.0	83.7	86.4	87.5	88.8	91.9	92.5	94.4	96.0	96.1	97.4	97.8	98.5	99.2
IV 0	55.3	74.1	80.0	83.7	86.4	87.5	88.8	91.9	92.5	94.4	96.0	96.1	97.4	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
JULIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722457      AUSTIN STRAUBEL WI  
STATION      STATION NAME

73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1930-2000  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥0
NO CEILING	31.5	33.5	35.9	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	33.6	36.2	39.1	40.1	40.1	40.1	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 18000	34.3	36.8	39.8	40.7	40.7	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 16000	34.3	37.1	40.1	41.0	41.0	41.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	34.6	37.9	40.9	41.8	41.8	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 12000	37.0	40.6	43.5	44.5	44.5	44.5	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	37.2	43.3	46.2	47.6	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 9000	41.4	45.7	48.7	50.0	50.0	50.0	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	42.7	47.4	50.4	51.7	51.7	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	44.4	49.1	52.2	53.6	53.6	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	45.7	50.4	53.5	55.2	55.2	55.2	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 5000	46.6	51.5	55.3	56.7	56.9	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	48.1	53.2	56.7	58.5	58.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4000	49.1	54.3	57.8	59.5	59.8	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3500	50.1	55.4	58.9	60.9	61.2	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3000	52.2	58.3	62.1	64.1	64.4	64.5	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2500	55.6	62.9	67.1	69.2	69.5	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2000	59.9	67.6	73.1	75.7	75.9	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1800	59.4	68.3	73.8	76.7	77.2	77.3	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1500	60.2	70.3	76.3	80.0	80.8	80.9	81.6	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	60.9	72.6	79.4	83.5	84.4	84.5	85.5	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	60.9	73.0	80.6	85.1	86.0	86.3	87.5	87.9	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	60.9	73.1	80.8	85.2	86.2	86.4	87.6	88.0	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	60.9	73.1	80.8	85.2	86.3	86.6	87.8	88.4	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 700	60.9	73.3	81.2	85.9	87.1	87.5	88.7	89.4	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	60.9	73.4	81.6	86.3	88.0	88.4	89.7	90.3	90.7	91.0	91.3	91.3	91.4	91.4	91.4	91.4
≥ 500	60.9	73.7	82.0	87.0	89.0	89.7	90.9	91.8	92.3	92.7	93.3	93.3	93.4	93.4	93.4	93.4
≥ 400	60.9	74.1	82.5	87.5	89.9	90.7	91.9	93.0	93.7	94.2	95.0	95.0	95.2	95.2	95.3	95.3
≥ 300	60.9	74.1	83.1	88.0	90.5	91.4	92.7	94.1	94.9	96.0	96.9	96.9	97.6	97.6	98.0	98.0
≥ 200	60.9	74.1	83.1	88.0	90.5	91.4	92.7	94.1	94.9	96.4	97.4	97.4	98.5	98.8	99.2	99.2
≥ 100	60.9	74.1	83.1	88.0	90.5	91.4	92.7	94.1	94.9	96.5	97.6	97.6	98.7	99.1	99.9	100.0
≥ 0	60.9	74.1	83.1	88.0	90.5	91.4	92.7	94.1	94.9	96.5	97.6	97.6	98.7	99.1	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 744

2  
GLOBAL CLIMATOLOGY BRANCH  
JAFETAC  
ATTN: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

701451  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1100-2300  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	34.5	37.1	38.4	40.1	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000	36.1	38.8	40.5	42.1	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000	36.6	39.4	41.1	42.6	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 16000	36.3	39.7	41.3	42.9	43.0	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	37.8	40.9	42.5	44.1	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	35.1	43.0	44.6	46.2	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	41.1	45.2	46.8	48.4	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 9000	42.2	46.5	48.1	50.0	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	43.0	47.7	49.3	51.2	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 7000	45.3	50.3	51.9	53.9	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 6000	46.2	51.6	53.2	55.4	55.5	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 5000	48.1	53.8	55.6	58.3	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	48.7	54.4	56.3	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4000	49.5	55.2	57.3	60.3	60.5	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3500	1.2	57.3	59.7	63.1	63.2	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 3000	53.9	60.8	63.6	67.1	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 2500	56.6	64.9	68.1	71.9	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2000	60.3	69.8	73.3	77.4	77.7	78.0	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1800	60.6	70.4	74.1	78.2	78.6	78.9	79.2	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1500	62.8	73.1	77.2	81.5	81.9	82.1	82.5	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1200	63.0	74.2	78.6	83.1	83.5	83.7	84.1	84.5	84.7	84.7	84.8	84.8	84.8	84.8	85.1	85.1
≥ 1000	63.2	75.5	80.1	85.2	85.8	86.0	87.0	87.5	87.8	87.9	88.0	88.0	88.0	88.0	88.4	88.4
≥ 900	63.3	75.7	80.2	85.8	86.3	86.6	87.5	88.0	88.3	88.4	88.6	88.6	88.6	88.6	89.0	89.0
≥ 800	63.3	75.8	80.4	86.0	86.7	87.0	88.0	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.5	89.5
≥ 700	63.3	76.2	81.2	87.1	87.6	88.0	89.1	89.8	90.1	90.2	90.3	90.3	90.3	90.3	90.7	90.7
≥ 600	63.3	76.2	81.3	87.4	88.0	88.4	89.5	90.2	90.6	90.9	91.0	91.0	91.0	91.0	91.4	91.4
≥ 500	63.3	76.5	81.9	88.4	89.7	90.1	91.4	92.5	92.9	93.4	93.8	93.8	93.8	93.8	94.2	94.2
≥ 400	63.3	76.5	82.0	88.6	89.8	90.3	91.8	93.0	93.4	94.5	95.3	95.3	95.3	95.3	95.7	95.7
≥ 300	63.3	76.6	82.4	89.1	90.5	91.0	92.5	93.8	94.4	95.7	96.5	96.5	96.8	96.8	97.2	97.2
≥ 200	63.3	76.6	82.4	89.2	90.6	91.1	92.6	94.0	94.5	95.8	97.2	97.2	98.0	98.1	98.5	98.5
≥ 100	63.3	76.6	82.4	89.2	90.6	91.1	92.6	94.0	94.5	95.8	97.2	97.2	98.1	98.3	99.7	100.0
≥ 0	63.3	76.6	82.4	89.2	90.6	91.1	92.6	94.0	94.5	95.8	97.2	97.2	98.1	98.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

744

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

721451  
STATION

A STIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	21.1	34.8	35.8	36.7	36.8	36.8	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.2
≥ 20000	33.1	37.4	38.6	39.6	39.8	39.8	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.2	40.2
≥ 18000	33.5	37.9	39.0	40.0	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 16000	33.6	38.0	39.2	40.1	40.3	40.3	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.7	40.8
≥ 14000	34.4	39.0	40.2	41.2	41.3	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.8	41.8
≥ 12000	34.5	40.9	42.1	43.0	43.2	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.6	43.7
≥ 10000	34.8	43.9	45.2	46.3	46.4	46.4	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.9
≥ 9000	42.6	46.0	47.4	48.5	48.6	48.7	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1
≥ 8000	41.5	47.2	48.6	49.7	49.9	49.9	50.1	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 7000	42.3	48.9	51.5	51.6	51.8	51.9	52.1	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.5
≥ 6000	44.1	50.4	52.1	53.2	53.4	53.5	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1
≥ 5000	45.5	52.5	54.3	55.6	55.9	56.0	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.6
≥ 4500	46.2	53.5	55.3	56.7	57.0	57.1	57.3	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7
≥ 4000	47.1	54.7	56.6	58.0	58.4	58.5	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2
≥ 3500	48.2	56.0	58.1	59.7	60.0	60.2	60.5	60.6	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9
≥ 3000	50.1	58.5	60.9	62.6	63.0	63.1	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.9
≥ 2500	53.1	62.6	65.4	67.4	67.8	68.0	68.3	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.9
≥ 2000	56.1	67.0	70.6	72.9	73.5	73.8	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 1800	56.8	68.1	71.8	74.3	75.0	75.4	75.9	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.5	76.6
≥ 1600	57.1	70.4	74.6	77.5	78.4	78.8	79.5	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.3
≥ 1400	58.7	72.1	76.7	80.0	80.9	81.6	82.3	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.3	83.3
≥ 1200	58.9	73.1	78.2	81.8	82.9	83.7	84.8	85.6	85.9	86.2	86.2	86.2	86.3	86.3	86.4	86.5
≥ 1000	59.0	73.4	78.8	82.7	84.1	84.9	86.3	87.3	87.5	87.9	88.1	88.1	88.1	88.1	88.2	88.3
≥ 900	59.0	73.6	79.3	83.6	85.0	86.0	87.4	88.6	88.9	89.4	89.5	89.5	89.6	89.6	89.7	89.8
≥ 800	59.0	73.6	79.5	84.1	85.7	86.7	88.3	89.7	90.0	90.6	90.8	90.8	90.9	90.9	91.0	91.1
≥ 700	59.1	73.9	79.9	84.8	86.5	87.7	89.6	91.3	91.7	92.5	92.9	93.0	93.1	93.1	93.2	93.3
≥ 600	59.1	74.1	80.1	85.1	86.9	88.1	90.4	92.4	92.8	94.1	94.7	94.7	94.9	94.9	95.1	95.2
≥ 500	59.1	74.1	80.3	85.3	87.2	88.4	90.8	93.0	93.4	95.0	95.8	95.8	96.4	96.5	96.7	96.8
≥ 400	59.1	74.1	80.3	85.3	87.2	88.5	90.9	93.2	93.7	95.5	96.6	96.6	97.7	97.9	98.2	98.3
≥ 300	59.1	74.1	80.3	85.3	87.2	88.5	90.9	93.2	93.8	95.6	96.6	96.7	97.9	98.2	99.1	99.5
≥ 200	59.1	74.1	80.3	85.3	87.2	88.5	90.9	93.2	93.8	95.6	96.6	96.7	97.9	98.2	99.3	100.0
≥ 100	59.1	74.1	80.3	85.3	87.2	88.5	90.9	93.2	93.8	95.6	96.6	96.7	97.9	98.2	99.3	100.0
≥ 0	59.1	74.1	80.3	85.3	87.2	88.5	90.9	93.2	93.8	95.6	96.6	96.7	97.9	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 595.2

2  
JULIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72E45

AUSTIN STRAUBEL WI

73-81

ALL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	39.2	44.0	45.4	46.3	46.8	47.0	47.2	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.6
≥ 20000	42.3	48.6	50.4	51.5	52.1	52.3	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.9	52.9	53.0
≥ 18000	43.0	48.8	50.5	51.6	52.3	52.4	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.1	53.1
≥ 16000	43.1	48.9	50.7	51.7	52.4	52.5	52.8	52.9	52.9	53.1	53.1	53.1	53.1	53.2	53.2	53.3
≥ 14000	43.3	49.8	51.6	52.7	53.4	53.5	53.8	53.9	53.9	54.0	54.1	54.1	54.1	54.1	54.2	54.3
≥ 12000	45.3	51.6	53.5	54.6	55.3	55.4	55.7	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.2
≥ 10000	47.5	54.1	56.2	57.4	58.1	58.3	58.6	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.1	59.1
≥ 9000	49.1	56.2	58.3	59.6	60.4	60.6	60.9	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.4	61.4
≥ 8000	50.2	57.7	59.9	61.3	62.1	62.3	62.6	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.1	63.2
≥ 7000	51.7	59.4	61.7	63.2	64.1	64.3	64.7	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.2	65.2
≥ 6000	53.6	61.7	64.2	65.7	66.6	66.9	67.3	67.5	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.9
≥ 5000	55.4	64.0	66.6	68.2	69.2	69.5	69.9	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.5	70.5
≥ 4500	56.6	65.5	68.3	69.9	71.0	71.3	71.7	71.9	72.0	72.1	72.1	72.1	72.2	72.2	72.3	72.3
≥ 4000	58.1	67.3	70.1	71.9	73.0	73.3	73.7	74.0	74.0	74.2	74.2	74.2	74.3	74.3	74.4	74.4
≥ 3500	59.3	68.8	71.7	73.5	74.6	75.0	75.4	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.1
≥ 3000	61.3	71.2	74.2	76.2	77.4	77.8	78.3	78.5	78.6	78.8	78.8	78.8	78.9	78.9	78.9	79.0
≥ 2500	63.4	74.0	77.3	79.5	80.7	81.2	81.7	82.0	82.1	82.3	82.3	82.3	82.4	82.4	82.5	82.5
≥ 2000	65.1	76.4	80.0	82.4	83.8	84.3	84.9	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.8
≥ 1800	65.6	77.2	80.9	83.4	84.8	85.4	86.0	86.4	86.5	86.7	86.8	86.8	86.8	86.8	86.9	87.0
≥ 1500	66.4	78.4	82.3	85.0	86.6	87.2	88.0	88.4	88.5	88.7	88.8	88.8	88.9	88.9	88.9	89.0
≥ 1200	66.8	79.3	83.5	86.3	88.0	88.6	89.5	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.6	90.7
≥ 1000	67.0	79.9	84.2	87.2	89.1	89.8	90.8	91.5	91.6	91.9	92.0	92.0	92.1	92.1	92.2	92.3
≥ 900	67.2	80.2	84.6	87.8	89.7	90.5	91.5	92.3	92.4	92.8	92.8	92.8	92.9	93.0	93.0	93.1
≥ 800	67.2	80.4	84.9	88.1	90.1	91.0	92.1	92.9	93.0	93.4	93.6	93.6	93.7	93.7	93.7	93.8
≥ 700	67.2	80.5	85.2	88.6	90.8	91.6	92.9	93.7	93.9	94.4	94.5	94.5	94.6	94.6	94.7	94.8
≥ 600	67.3	80.7	85.4	89.1	91.3	92.3	93.6	94.6	94.8	95.3	95.5	95.5	95.6	95.6	95.7	95.8
≥ 500	67.3	80.8	85.6	89.5	91.8	92.8	94.3	95.5	95.7	96.4	96.6	96.6	96.8	96.8	96.9	97.0
≥ 400	67.3	80.8	85.7	89.6	92.0	93.1	94.7	96.0	96.2	97.1	97.4	97.4	97.7	97.7	97.8	97.8
≥ 300	67.3	80.9	85.8	89.7	92.1	93.3	95.0	96.3	96.6	97.6	98.1	98.1	98.5	98.5	98.6	98.7
≥ 200	67.3	80.9	85.8	89.7	92.2	93.3	95.1	96.5	96.7	97.9	98.4	98.4	98.9	99.0	99.2	99.3
≥ 100	67.3	80.9	85.8	89.7	92.2	93.3	95.1	96.5	96.7	97.9	98.5	98.5	99.1	99.2	99.5	99.8
≥ 0	67.3	80.9	85.8	89.7	92.2	93.3	95.1	96.5	96.7	97.9	98.5	98.5	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 70064

## PART D

## SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

- 1/10 and 4/10 into the 3/10 (scattered) category
- 5/10, 6/10 and 8/10 into the 9/10 (broken) category
- 0/10 is the clear category
- 10/10 is the overcast category

## SKY COVER

JAN

64,204

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	32.9			11.1						7.9	48.1	5.9	736
	03-05	31.7			10.4						6.4	51.5	6.0	738
	06-08	23.9			14.9						12.0	49.2	6.4	736
	09-11	19.8			15.9						15.1	49.2	6.8	736
	12-14	17.4			18.8						18.1	45.8	6.8	736
	15-17	19.6			16.0						15.4	49.0	6.8	736
	18-20	27.1			10.5						11.3	51.1	6.4	742
	21-23	29.3			11.1						11.2	48.4	6.2	738
TOTALS		25.2			13.6						12.2	49.0	6.4	5898

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

726450

AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	31.8			10.4						9.5	48.4	6.0	676
	03-05	29.3			11.6						11.6	47.5	6.1	670
	06-08	18.8			17.9						14.2	49.1	6.7	670
	09-11	19.1			16.1						17.9	47.0	6.8	677
	12-14	16.1			17.0						23.2	43.8	7.0	678
	15-17	16.7			17.1						19.6	46.6	6.9	678
	18-20	22.9			15.0						15.5	46.6	6.5	678
	21-23	28.5			12.6						12.3	46.7	6.1	677
TOTALS		22.9			14.7						15.5	47.0	6.5	5404

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	32.6			13.7						6.1	47.6	5.7	743
	03-05	29.3			12.6						9.2	48.9	6.1	730
	06-08	17.8			16.3						13.9	51.9	6.9	734
	09-11	14.7			15.7						17.7	51.9	7.3	734
	12-14	13.8			16.1						18.5	51.5	7.3	744
	15-17	13.3			17.9						19.1	49.7	7.2	744
	18-20	20.4			13.7						15.3	50.5	6.8	744
	21-23	30.1			11.3						11.2	47.4	6.1	744
TOTALS		21.5			14.7						13.9	49.9	6.7	5917

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

726450

AUSTIN STRAUBEL WI

74-81

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	33.3			12.6						9.0	45.0	5.7	720
	03-05	29.1			14.6						10.0	46.2	6.0	718
	06-09	19.7			15.6						16.7	48.0	6.8	719
	09-11	15.1			16.5						21.4	46.9	7.1	720
	12-14	10.6			18.3						23.6	47.5	7.4	720
	15-17	12.4			14.7						23.3	49.6	7.5	720
	18-20	17.9			18.8						16.3	47.1	6.7	720
	21-23	29.2			15.8						11.3	43.8	5.9	720
TOTALS		20.9			15.9						16.5	46.8	6.6	5757

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

## SKY COVER

MAY

MONITORING

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	36.9			15.5						11.6	36.1	5.1	743
	03-05	28.6			20.5						16.3	34.6	5.5	742
	06-08	21.7			22.6						21.4	34.3	6.0	743
	09-11	16.2			21.8						26.4	35.6	6.6	742
	12-14	12.2			23.8						28.1	35.9	6.8	744
	15-17	14.2			24.2						27.8	33.7	6.6	744
	18-20	17.2			22.9						24.8	35.1	6.4	743
	21-23	28.5			23.0						15.5	33.1	5.4	744
TOTALS		21.9			21.8						21.5	34.8	6.1	5945

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

## SKY COVER

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	34.5			19.5						14.2	31.8	5.0	719
	03-05	24.4			22.6						21.6	31.4	5.8	717
	06-08	19.5			20.6						25.9	34.1	6.4	719
	09-11	14.2			23.4						28.2	34.2	6.7	719
	12-14	8.3			26.1						32.8	32.8	7.0	720
	15-17	10.0			26.0						31.3	32.8	6.9	720
	18-20	18.3			22.9						28.3	30.4	6.3	720
	21-23	28.5			22.9						19.5	29.1	5.3	719
TOTALS		19.7			23.0						25.2	32.1	6.2	5753

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

## SKY COVER

726450

AUSTIN STRAUBEL WI

74-81

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	39.7			22.4						13.0	24.9	4.3	736
	03-05	28.9			25.4						18.9	26.8	5.1	731
	06-08	25.5			26.0						21.9	26.6	5.4	741
	09-11	18.9			27.4						29.5	24.3	5.9	742
	12-14	7.7			30.4						37.2	24.7	6.7	744
	15-17	8.2			30.6						37.9	23.3	6.7	744
	18-20	16.8			30.0						31.9	21.3	5.9	743
	21-23	32.5			29.2						16.5	21.8	4.5	739
TOTALS		22.3			27.7						25.9	24.2	5.6	5920

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

72645

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	36.2			16.6						14.0	33.2	5.1	737
	03-05	27.8			21.7						14.8	35.7	5.6	723
	06-08	18.4			20.5						20.3	40.8	6.5	733
	09-11	13.4			23.3						23.2	40.0	6.8	737
	12-14	6.9			26.9						30.7	35.5	7.1	743
	15-17	7.9			26.2						34.5	31.4	7.0	743
	18-20	14.2			27.3						27.8	30.7	6.4	737
	21-23	27.5			20.2						20.2	32.1	5.6	738
TOTALS		19.0			22.8						23.2	34.9	6.3	5891

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

27

SEP

73-80

STATION

STATION NAME

PERIOD

MON'DAY

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	39.2			13.2						10.0	37.5	5.1	717
	03-05	36.6			15.8						12.4	35.2	5.1	710
	06-08	22.9			22.7						14.5	39.9	6.0	715
	09-11	17.9			21.4						20.4	40.3	6.5	720
	12-14	11.8			23.2						31.3	33.8	6.9	720
	15-17	12.8			25.7						30.3	31.3	6.6	720
	18-20	21.0			20.0						23.1	36.0	6.3	720
	21-23	31.8			18.4						14.3	35.5	5.4	719
TOTALS		24.3			20.1						19.5	36.2	6.0	5741

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5

OCT

MONTH

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



75

## SKY COVER

AUSTIN STRAUBEL WI

73-8C

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	29.4			10.9						11.2	48.5	6.2	717
	03-05	30.7			10.8						10.2	48.2	6.1	713
	06-08	21.2			13.4						16.2	49.2	6.8	717
	09-11	15.1			16.0						17.4	51.5	7.2	720
	12-14	12.2			17.1						19.4	51.3	7.4	720
	15-17	11.0			18.6						19.9	50.6	7.4	720
	18-20	17.4			14.0						14.2	54.4	7.1	720
	21-23	23.0			13.4						13.3	50.3	6.6	714
TOTALS		20.0			14.3						15.2	50.5	6.9	5741

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

NATIONAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

STATION: AUSTIN STRAUBEL WI

73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	25.2			10.4						9.4	54.4	6.6	743
	03-05	26.2			11.5						8.0	54.3	6.5	740
	06-08	19.1			12.0						11.9	57.0	7.1	740
	09-11	13.8			12.7						17.4	56.1	7.6	741
	12-14	11.8			15.9						16.4	55.9	7.5	744
	15-17	14.5			15.3						15.1	55.1	7.3	744
	18-20	19.4			12.2						12.7	55.7	7.1	743
	21-23	21.7			14.7						9.4	54.2	6.7	743
TOTALS		19.0			13.1						12.5	55.3	7.1	5938

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

720450

AUSTIN STRAUBEL WI

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN.	ALL	25.2			13.6						12.2	49.0	6.4	5898
FEB		22.9			14.7						15.5	47.0	6.5	5404
MAR		21.5			14.7						13.9	49.9	6.7	5917
APR		20.9			15.9						16.5	46.8	6.6	5757
MAY		21.9			21.8						21.5	34.8	6.1	5945
JUN		19.7			23.0						25.2	32.1	6.2	5753
JUL		22.3			27.7						25.9	24.2	5.6	5920
AUG		19.0			22.8						23.2	34.9	6.3	5891
SEP		24.3			20.1						19.5	36.2	6.0	5741
OCT		23.4			16.5						18.8	41.3	6.3	5926
NOV		20.0			14.3						15.2	50.5	6.9	5741
DEC		19.0			13.1						12.5	55.3	7.1	5938
TOTALS		21.7			18.2						18.3	41.8	6.4	69831

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 706430 AUSTIN STRAUBEL WI  
 STATION STATION NAME

# DAILY TEMPERATURES

50-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95						.6	1.2	.8	.2				.2
90					.3	4.5	8.0	5.3	2.6				1.7
85				.4	4.1	15.4	29.5	20.9	5.7	.2			6.5
80				2.1	13.3	36.2	62.3	46.0	13.9	2.4			14.9
75				5.0	24.9	59.3	81.9	69.4	29.1	7.6			23.4
70			.8	10.6	39.5	77.4	94.9	89.3	51.0	15.6	.3		32.0
65			1.1	19.0	57.1	91.5	98.8	98.2	70.5	28.5	2.6		39.3
60			2.8	29.0	75.1	98.1	99.9	99.9	86.4	44.6	6.1	.3	45.5
55		.1	6.0	42.8	85.9	99.6	100.0	100.0	96.4	63.4	13.1	.7	51.0
50	.1	.7	10.9	59.7	94.3	100.0			99.5	80.4	23.7	2.0	56.2
45	.8	2.2	19.6	75.8	98.0				100.0	90.6	38.0	3.9	61.0
40	4.0	7.6	34.4	88.9	99.8					97.5	56.0	10.3	66.8
35	15.1	23.6	59.9	97.4	100.0					99.9	74.9	27.3	75.0
30	34.0	44.9	79.2	99.4						100.0	89.8	51.0	83.3
25	50.7	64.0	92.1	99.9							95.5	69.0	89.3
20	63.0	78.2	97.6	100.0							98.6	81.0	93.2
15	73.9	87.8	99.3								99.1	90.0	95.8
10	84.4	94.5	99.8								99.7	94.8	97.8
5	91.5	98.2	99.9								100.0	98.6	99.0
0	96.5	99.6	100.0									99.9	99.7
-5	99.1	99.8											99.9
-10	99.8	100.0										100.0	100.0
-15	100.0												100.0
MEAN	22.6	27.0	37.1	53.5	66.6	76.2	80.8	78.5	69.7	58.6	41.9	28.3	53.4
S.D.	11.743	9.932	10.008	11.707	10.689	8.226	6.609	7.026	9.044	10.326	10.773	10.149	22.747
TOTAL OBS.	992	904	992	960	992	960	992	992	929	961	930	961	11565

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 128430 AUSTIN STRAUBEL WI  
 STATION STATION NAME

# DAILY TEMPERATURES

50-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75							.1	.1					.0
70						.8	2.6	1.5	.4				.5
65					.8	6.6	15.6	11.3	3.3	.2			3.2
60				.2	3.7	22.0	41.0	34.8	10.2	1.2			9.6
55				1.0	10.5	44.5	71.1	61.1	22.4	3.6	.1		18.1
50				3.2	23.7	68.0	90.3	81.6	41.7	12.3	1.2		27.2
45			.4	9.3	44.4	86.5	98.9	95.2	63.2	24.2	3.4		35.8
40	.1	.1	1.9	20.8	64.5	97.1	100.0	99.3	81.5	41.8	7.4	.5	43.3
35	.5	.8	6.5	41.6	84.7	99.7		100.0	95.0	62.9	18.7	2.4	51.4
30	1.0	1.7	11.2	51.7	89.8	99.9			96.9	73.5	25.6	4.7	54.9
25	3.2	5.9	21.0	69.5	96.0	100.0			98.8	83.8	38.3	9.6	60.8
20	11.0	13.1	40.8	89.5	99.7				100.0	94.9	60.4	20.0	69.3
15	19.5	22.1	58.5	96.6	100.0					99.3	77.6	33.1	75.7
10	29.5	34.2	69.7	98.7						100.0	87.5	48.1	80.8
5	41.3	47.6	80.8	99.9							93.9	61.4	85.5
0	51.3	61.8	89.7	100.0							96.9	71.8	89.4
-5	63.8	75.9	96.0								98.2	82.8	93.1
-10	75.2	86.6	98.2								99.4	90.3	95.8
-15	84.2	93.0	99.7								100.0	96.8	97.8
-20	92.5	97.0	99.8									98.8	99.0
-25	97.7	99.4										99.9	99.7
-30	99.6	99.9	99.9									100.0	99.9
-35	99.9	100.0	100.0										100.0
-40	100.0												100.0
MEAN	5.5	8.9	20.2	33.4	43.3	53.1	58.0	56.2	47.9	38.3	26.2	12.7	33.6
S.D.	14.229	12.808	11.233	7.968	8.508	7.536	6.360	6.957	8.721	8.917	10.336	12.779	20.594
TOTAL OBS.	992	904	992	560	992	960	992	992	929	961	930	961	11565

CLIMATOLOGY BRANCH

AFETAC

AIR WEATHER SERVICE/MAC

728450 AUSTIN STRAUBEL MT

50-81

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						.1	.4	.1					.1
70						1.4	3.5	2.8	1.0				.7
65					1.4	10.8	21.2	13.6	4.2	.1			4.3
60				.3	6.1	27.7	51.8	37.9	11.1	.9			11.5
55				2.1	15.8	50.5	79.5	67.0	24.1	4.3			20.6
50				5.6	31.4	75.5	96.2	89.8	46.4	12.7	.2		30.2
45			.6	13.6	51.1	92.6	100.0	99.1	68.9	26.1	2.5		38.2
40			2.4	24.9	73.8	99.5		100.0	88.5	43.8	5.9	.2	45.3
35	.1		5.5	42.5	87.9	100.0			97.2	64.7	14.0	.8	51.4
30	.4	1.1	12.3	65.5	96.6				99.7	85.2	28.7	2.2	57.9
25	2.5	6.0	28.3	85.6	99.6				100.0	95.1	50.8	8.3	64.9
20	11.7	15.7	50.0	95.3	100.0					99.3	70.2	22.8	72.3
15	23.4	29.9	68.5	99.0						100.0	84.9	40.9	79.0
10	38.7	47.7	81.8	99.8							92.8	57.6	85.0
5	52.4	64.4	91.2	100.0							96.7	72.1	89.8
0	64.1	79.0	97.3								98.9	82.9	93.5
-5	75.6	89.2	99.6								99.5	91.2	96.2
-10	84.7	93.7	99.7								99.8	95.8	97.8
-15	92.5	98.0	99.9								100.0	99.0	99.1
-20	97.8	99.7										99.9	99.8
-25	99.4	100.0	100.0									100.0	99.9
-30	99.9												100.0
-35	100.0												100.0
MEAN	14.2	18.2	28.9	43.7	55.2	64.9	69.7	67.6	59.0	48.7	34.2	20.8	43.8
S.D.	12.608	10.935	9.978	9.090	8.784	7.196	5.802	6.207	8.130	8.890	10.005	11.032	21.378
TOTAL OBS.	992	904	992	960	992	960	992	992	929	961	930	961	11565



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726450 STATION AUSTIN STRAUBEL WI

50-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	43	36	49	65	87	88	89	87	79	79	69	35	89
51	39	40	49	80	83	82	88	85	85	77	55	53	88
52	42	40	57	84	90	92	91	87	93	71	65	44	93
53	44	38	59	75	84	93	91	93	95	83	72	51	95
54	37	50	63	75	80	90	91	88	91	72	64	40	91
55	40	40	59	78	84	86	98	99	95	77	52	42	99
56	38	37	47	65	87	93	83	85	85	80	64	40	93
57	40	47	61	81	82	90	93	89	88	70	54	48	93
58	38	46	54	83	82	89	89	94	82	77	65	47	94
59	36	37	44	73	91	89	90	91	94	64	59	44	94
60	38	42	57	82	80	85	89	90	92	78	62	55	92
61	50	47	61	67	86	91	90	91	90	77	69	58	91
62	40	37	58	87	86	85	88	90	83	80	56	61	90
63	39	39	72	80	83	92	93	86	83	88	60	48	93
64	48	54	57	79	86	96	93	95	86	75	70	41	96
65	44	42	41	77	87	92	92	96	83	79	68	51	96
66	35	45	71	69	83	94	97	88	87	81	55	44	97
67	41	43	73	73	85	88	90	86	83	84	59	52	90
68	39	40	72	78	81	89	89	94	87	84	65	52	94
69	40	36	49	70	87	83	90	93	84	82	59	43	93
70	35	43	49	84	88	96	96	92	88	76	56	62	96
71	33	40	46	75	83	97	91	89	87	84	66	42	97
72	40	40	47	69	90	91	95	92	80	73	57	39	95
73	48	40	62	72	79	91	92	96	91	81	54	50	96
74	40	42	61	85	81	83	97	87	84	73	68	43	97
75	48	41	46	70	87	89	93	93	76	82	68	55	93
76	38	45	62	82	81	92	97	98	92	85	57	38	98
77	32	45	61	83	88	90	99	91	78	65	62	41	99
78	34	32	54	73	89	90	88	90	88	71	69	39	90
79	30	41	56	73	84	88	90	89	83	75	60	50	90
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

(FROM DAILY OBSERVATIONS)

**YEARS**

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

FORM  
JUL 64

0-88-5 (OL A)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

726450 STATION AUSTIN STRAUBEL WI

50-81

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50	-13	-19	-10	13	25	38	45	38	29	30	-7	-18	-19
51	-31	-24	2	26	32	37	44	40	29	25	-5	-17	-31
52	-21	-4	1	20	33	45	44	41	33	16	8	1	-21
53	-10	-10	-3	23	31	43	45	48	33	24	14	-6	-10
54	-19	-6	7	7	27	38	47	42	32	21	22	0	-19
55	-14	-11	-4	27	30	44	49	46	32	28	-3	-8	-14
56	-16	-10	-5	12	27	33	46	44	27	24	3	-6	-16
57	-13	-3	4	20	30	36	46	41	29	23	5	-2	-15
58	-4	-14	16	23	27	32	42	40	34	28	-3	-9	-14
59	-18	-19	-7	21	32	41	46	45	32	22	0	7	-19
60	-3	-4	-9	17	29	40	45	44	36	18	16	-8	-9
61	-13	-6	12	22	27	40	45	47	30	24	17	-17	-17
62	-23	-17	-29	20	36	42	46	45	34	22	13	-19	-29
63	-27	-15	-3	22	27	40	43	41	34	33	11	-16	-27
64	-3	-12	-7	14	33	35	50	40	31	26	5	-7	-12
65	-21	-16	-4	15	32	42	40	38	30	25	15	4	-21
66	-25	-9	12	25	21	35	45	45	28	15	10	-9	-25
67	-25	-18	-10	23	26	44	46	38	32	21	6	-19	-25
68	-24	-10	11	16	28	41	42	39	40	20	18	-18	-24
69	-16	-7	1	22	31	38	45	44	37	16	6	-7	-16
70	-22	-18	5	22	24	41	44	46	36	26	9	-14	-22
71	-21	-26	-1	15	30	42	45	45	35	30	11	-3	-26
72	-28	-16	-12	11	32	36	43	41	34	20	13	-21	-28
73	-13	-4	21	18	32	50	52	50	30	29	14	-14	-14
74	-20	-7	-4	20	27	43	48	42	27	24	13	3	-20
75	-5	-16	-6	13	37	40	47	45	33	24	12	-7	-16
76	-18	-12	2	23	29	43	47	41	27	17	-9	-18	-18
77	-27	-14	10	13	28	35	46	42	41	27	-4	-17	-27
78	-14	-11	-8	26	25	39	45	47	36	28	2	-11	-14
79	-25	-21	0	14	30	45	46	46	35	22	7	-7	-25
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

(1 AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JAN  
MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 43		.1																1	1	1	1			
42/ 41	.1	.1																2	2	2	2			
40/ 39		.1																1	1	1				
38/ 37		.8																6	6	3	1			
36/ 35	1.0	1.4	.1															18	18	17	9			
34/ 33	.1	3.1	.8															30	30	7	13			
32/ 31		2.3																17	17	30	7			
30/ 29	.7	1.0	.1															13	13	20	19			
28/ 27	1.1	5.2	.1															47	47	19	24			
26/ 25	.5	4.6	1.1															46	46	45	18			
24/ 23	.1	2.7	.1															22	22	43	14			
22/ 21	1.5	4.3	.1															44	44	43	31			
20/ 19	1.2	3.1	.1															33	33	35	47			
18/ 17	1.0	2.7	.1															28	28	25	36			
16/ 15	.4	5.0																40	40	29	38			
14/ 13	.8	3.8	.3															36	36	40	27			
12/ 11	1.1	2.3	.1															26	26	33	28			
10/ 9	.1	3.0																23	23	28	25			
8/ 7	1.2	2.6																28	28	29	30			
6/ 5	.4	2.4																21	21	25	19			
4/ 3	.4	4.1																33	33	27	26			
2/ 1	.5	4.5																37	37	36	26			
0/ -1	4.8	1.0																42	42	49	14			
-2/ -3	2.3	1.0																24	24	25	24			
-4/ -5	3.1	.8																29	29	30	36			
-6/ -7	2.7	.5																24	24	27	23			
-8/ -9	3.4																	25	25	27	34			
-10/-11	1.5																	11	11	11	20			
-12/-13	.3																	2	2	2	28			
-14/-15	1.4																	10	10	10	20			
-16/-17	1.8																	13	13	13	22			
-18/-19	.4																	3	3	3	25			
-20/-21	.1																	1	1	1	12			
-22/-23																					7			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

JAN  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]



AD-A113 705 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
AUSTIN STRAUER APT, GREEN BAY, WISCONSIN. REVISED UNIFORM SUMM--ETC (11)  
MAR 82  
UNCLASSIFIED USAFETAC/DS-82/017 SBI-AD-F850 151 NL

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## PSYCHROMETRIC SUMMARY

74-81

YEARS

JAN

MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

U.S. SAFETY FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
46/ 45		.3																2	2	2	2			
42/ 41		.1																1	1					
40/ 39																				1	1			
38/ 37	.7	.3																7	7	6	3			
36/ 35	.4	1.4																13	13	4	4			
34/ 33	1.1	1.4																18	18	19	12			
32/ 31		2.6	.5	.4														26	26	15	9			
30/ 29	.1	2.0	.4															19	19	18	15			
28/ 27	1.1	2.4	.1															27	27	29	13			
26/ 25	.5	3.5																30	30	30	18			
24/ 23	.5	3.4	.3															31	31	33	19			
22/ 21	1.5	3.1	.3	.1														37	37	44	32			
20/ 19	1.4	4.9	.1															47	47	34	28			
18/ 17	.1	3.9																30	30	37	43			
16/ 15	1.2	3.5																35	35	34	30			
14/ 13	.4	3.4																28	28	24	42			
12/ 11	1.8	3.0																35	35	41	29			
10/ 9	1.5	2.2	.1															28	28	34	29			
8/ 7	.8	1.8																19	19	23	28			
6/ 5	.8	2.7																26	26	23	21			
4/ 3	1.4	2.4																28	28	28	30			
2/ 1	2.4	4.2																49	49	42	25			
0/ -1	2.4	1.1																26	26	33	27			
-2/ -3	2.0	.8																21	21	26	12			
-4/ -5	4.1	1.1																38	38	35	28			
-6/ -7	2.0																	15	15	21	28			
-8/ -9	3.8																	28	28	28	28			
-10/-11	1.9																	14	14	14	18			
-12/-13	1.9																	14	14	14	18			
-14/-15	1.6																	12	12	12	18			
-16/-17	1.5																	11	11	11	27			
-18/-19	1.6																	12	12	12	33			
-20/-21	.8																	6	6	6	18			
-22/-23	.4																	3	3	3	7			
Element (X)	Σx²		Σx		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
40/ 39		.3																2	2			
38/ 37	.7	.9	.3	.1														15	15	7	4	
36/ 35	.3	.8	.7															13	13	9	5	
34/ 33	.9	1.9	.1	.1	.1													24	24	20	9	
32/ 31		3.3	.7	.3														31	31	24	11	
30/ 29	.1	3.4	.1															27	27	24	21	
28/ 27	.7	2.4	.4															26	26	36	17	
26/ 25	.3	3.5	.1															29	29	22	27	
24/ 23	.5	3.5	.3															32	32	40	18	
22/ 21	2.0	4.5	.1															49	49	54	24	
20/ 19	1.2	4.1	.3															41	41	26	48	
18/ 17	.3	3.7	.4															32	32	38	36	
16/ 15	.5	4.1	.4															37	37	31	31	
14/ 13	.4	5.0																40	40	38	39	
12/ 11	.7	4.9																41	41	43	27	
10/ 9	.4	3.4																28	28	35	21	
8/ 7		4.5																33	33	37	31	
6/ 5		3.4																25	25	30	25	
4/ 3	.7	3.9																34	34	28	23	
2/ 1	.4	3.3																27	27	34	42	
0/ -1	2.4	1.5																29	29	28	39	
-2/ -3	.9	2.6																26	26	31	21	
-4/ -5	1.6	1.6																24	24	22	23	
-6/ -7	1.8	.4																16	16	21	22	
-8/ -9	1.9																	14	14	17	20	
-10/-11	1.6																	12	12	12	22	
-12/-13	.8																	6	6	6	20	
-14/-15	1.6																	12	12	12	24	
-16/-17	1.2																	9	9	9	15	
-18/-19	.3																	2	2	2	18	
-20/-21	.1																	1	1	1	15	
-22/-23																					15	
-24/-25																					16	
-26/-27																					5	
Element (X)	Σ X <sup>2</sup>		Σ X		X	Σ X		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
42/ 41		.1	.1															2	2					
40/ 39		.4	.3															5	5	1				
38/ 37	.7	.5	1.1	.1	.1													19	19	10	6			
36/ 35	.7	1.1	1.5		.1													25	25	11	6			
34/ 33	.5	2.9	1.1	.4														36	36	25	10			
32/ 31		2.9	1.4	.7														36	36	35	13			
30/ 29	1.1	2.3	2.0															40	40	38	25			
28/ 27	.3	2.6	1.2	.1														31	31	31	32			
26/ 25	.5	4.1	1.4															44	44	45	25			
24/ 23	.1	2.7	1.4															31	31	42	20			
22/ 21	1.2	4.2	1.4															50	50	48	23			
20/ 19	.8	3.9	1.9															49	49	39	40			
18/ 17	.1	4.2	2.2															48	48	39	38			
16/ 15	.1	2.6	.8															26	26	47	46			
14/ 13	.4	5.8	.4															49	49	32	31			
12/ 11		5.2	.7															43	43	50	29			
10/ 9		4.9	.3															38	38	43	20			
8/ 7		3.8	.3															30	30	42	35			
6/ 5		2.4																18	18	27	34			
4/ 3		3.3																24	24	19	29			
2/ 1		3.1																23	23	28	50			
0/ -1	1.5	1.0																18	18	27	29			
-2/ -3	.1	1.1																9	9	13	25			
-4/ -5	.8	2.3																23	23	15	26			
-6/ -7	.7	.8																11	11	19	18			
-8/ -9	.7																	5	5	7	23			
-10/-11	.3																	2	2	2	23			
-12/-13	.1																	1	1	1	8			
-14/-15																					17			
-16/-17																					12			
-18/-19																					26			
-20/-21																					15			
-22/-23																					2			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature						
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JUN 71

## PSYCHROMETRIC SUMMARY

JAN  
1981

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

YEARS

JAN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
42/ 41			.3																2	2					
40/ 39	.1	.4	.3																6	6	1				
38/ 37	.5	.4	.4	.1															11	11	9	5			
36/ 35	.5	1.8	.8	.1															24	24	10	4			
34/ 33	.5	3.4	.7	.1															35	35	26	11			
32/ 31	.1	3.1	2.4	.3															44	44	34	19			
30/ 29	.8	2.2	2.2																38	38	35	30			
28/ 27	.5	3.1	2.2																43	43	39	23			
26/ 25	.4	3.1	1.8																39	39	41	23			
24/ 23		3.1	1.0																30	30	45	21			
22/ 21	.5	4.8	1.9																53	53	51	22			
20/ 19	.3	4.5	2.0																50	50	35	44			
18/ 17		2.3	2.4																35	35	45	39			
16/ 15	.1	3.7	.8																34	34	30	38			
14/ 13	.3	4.8	.7																42	42	44	36			
12/ 11		6.2	1.0																53	53	41	22			
10/ 9	.3	4.8	.4																40	40	52	35			
8/ 7	.1	3.5																	27	27	44	25			
6/ 5		3.4																	25	25	28	24			
4/ 3		3.1																	23	23	30	38			
2/ 1		4.2																	31	31	24	43			
0/ -1	.1	1.0																	8	8	24	36			
-2/ -3	.3	1.5																	13	13	12	29			
-4/ -5	.3	2.0																	17	17	14	29			
-6/ -7	.4	.5																	7	7	15	17			
-8/ -9	.5																		4	4	5	33			
-10/-11	.3																		2	2	2	17			
-12/-13																						11			
-14/-15																						10			
-16/-17																						20			
-18/-19																						18			
-20/-21																						10			
-22/-23																						3			
-24/-25																						1			
Element (X)	Σ x'		Σ x		X	°x		No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

YEARS

**PAGE 2**

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

1800-2000  
HOURS (L. S. T.)

**USAFETAC** **0-26-3 (OL A)** **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
FORM JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]



9477 54321

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

74-81

YEARS

JAN  
MONTH

**PAGE 2**

**ALL**

HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

**YEARS**

**FEB**  
**MONTH**

**PAGE 2**

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-24/-25																						4	
-32/-33																						2	
-34/-35																						1	
TOTAL	29.2	60.8	8.8	1.2															678		678		
																		678		678			
Element (X)	$\Sigma x^2$		$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	3984106		51358	75.7	11.769	678	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	300670		11128	16.4	13.204	678	10.0	71.0					84										
Wet Bulb	266654		10352	15.3	12.665	678	10.4	75.1					84										
Dew Point	213638		6744	9.9	14.713	678	23.0	80.5					84										

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450      AUSTIN STRAUBEL WI

74-81

FEB

PAGE 1      0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 43		.4																3	3	2	1			
42/ 41																				1	2			
40/ 39		.7	.3	.3														9	9					
38/ 37		1.8	.9	.4														21	21	7				
36/ 35	.1	2.1	1.0	.1														23	23	13	6			
34/ 33	1.2	2.8	1.0															34	34	39	14			
32/ 31	1.0	2.5	1.6															35	35	30	30			
30/ 29	1.0	2.8	.4															29	29	42	32			
28/ 27		3.3	.4															25	25	26	15			
26/ 25	.4	3.3																25	25	25	35			
24/ 23	.1	2.5	.1															19	19	25	24			
22/ 21	.4	2.2	.4															21	21	19	17			
20/ 19	1.6	2.5	.1															29	29	31	23			
18/ 17	1.8	3.6																36	36	33	30			
16/ 15	1.3	2.5																26	26	30	31			
14/ 13	.9	2.8																25	25	22	32			
12/ 11	2.8	2.7	.1															38	38	41	23			
10/ 9	1.5	2.8																29	29	29	27			
8/ 7	2.1	4.9																47	47	35	33			
6/ 5	1.6	3.0																31	31	45	20			
4/ 3	2.5	3.6																41	41	42	35			
2/ 1	2.2	3.3																37	37	38	37			
0/ -1	3.6	.1																25	25	32	35			
-2/ -3	2.1	.4																17	17	18	25			
-4/ -5	1.2																	8	8	8	40			
-6/ -7	1.3																	9	9	9	22			
-8/ -9	2.2																	15	15	15	18			
-10/-11	.7																	5	5	5	18			
-12/-13	.6																	4	4	4	8			
-14/-15	1.2																	8	8	8	8			
-16/-17	.3																	2	2	2	12			
-18/-19																					3			
-20/-21																					3			
-22/-23																					8			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ X		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.										± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F									
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 71 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL MI  
STATION NAME

74-81

YEARS

**FEB**  
**MONTH**

**PAGE 2**

0300-0500  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
44/ 43		.3																	2	2	2			
42/ 41		.1																	1	1	1	3		
40/ 39		.7	.1																6	6	1			
38/ 37		1.2	.7																13	13	7	1		
36/ 35	.1	2.1	.4																18	18	11	8		
34/ 33	1.5	2.9	1.2	.1															39	39	34	13		
32/ 31	.7	3.5	1.5	.1															40	40	29	25		
30/ 29	.9	1.6	1.3	.1															27	27	33	32		
28/ 27	.4	1.8	.4	.1															19	19	27	17		
26/ 25	.1	4.0	.1																29	29	24	18		
24/ 23		2.8																	19	19	34	21		
22/ 21	.1	1.9																	14	14	16	25		
20/ 19	1.6	4.1																	39	39	32	21		
18/ 17	2.1	1.5																	24	24	34	33		
16/ 15	1.2	3.4	.1																32	32	21	41		
14/ 13	1.5	2.2	.1																26	26	28	15		
12/ 11	3.5	3.1																	45	45	43	34		
10/ 9	2.1	2.4																	30	30	36	32		
8/ 7	1.5	3.5																	34	34	31	37		
6/ 5	.4	3.7																	28	28	35	24		
4/ 3	1.6	4.0																	38	38	32	24		
2/ 1	2.9	3.7																	45	45	46	26		
0/ -1	4.9	.7																	38	38	44	38		
-2/ -3	1.2	.9																	14	14	15	30		
-4/ -5	2.2	.4																	18	18	21	43		
-6/ -7	1.6																		11	11	12	24		
-8/ -9	.4																		3	3	3	21		
-10/-11	1.8																		12	12	12	14		
-12/-13	.3																		2	2	2	8		
-14/-15	.3																		2	2	2	9		
-16/-17	.7																		5	5	5	10		
-18/-19	.6																		4	4	4	6		
-20/-21	.1																		1	1	1	10		
-22/-23																						5		
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

FEB

MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL			Dry Bulb	Wet Bulb	Dew Point	
48/ 47		.4																3	3		3			
46/ 45		.3																2	2		3	1		
44/ 43			.1															1	1		2	2		
42/ 41		.4		.4														6	6		6	1		
40/ 39		.9	1.2	.4														17	17		5	1		
38/ 37	.1	1.8	1.3	.6														26	26		12	6		
36/ 35	.1	2.1	1.8															27	27		23	9		
34/ 33	.7	2.1	1.9	.1														33	33		37	20		
32/ 31	.4	3.2	1.8	.4														40	40		31	18		
30/ 29	.4	1.9	1.6	.3														29	29		32	30		
28/ 27		3.2	1.0	.3														31	31		32	19		
26/ 25		2.8	1.0	.1														27	27		36	31		
24/ 23	.3	1.3	1.0															18	18		28	26		
22/ 21	.3	3.2	.9															30	30		27	25		
20/ 19	.9	4.4	1.3															45	45		32	30		
18/ 17	.4	4.1	1.0															38	38		43	24		
16/ 15	1.2	5.6	.6															50	50		40	30		
14/ 13	1.0	4.0	.3															36	36		47	34		
12/ 11	1.0	4.6	.3															40	40		42	38		
10/ 9	.6	4.6	.3															37	37		40	39		
8/ 7	.1	4.1																29	29		36	40		
6/ 5	.4	3.5																27	27		35	29		
4/ 3	1.0	2.8																26	26		27	30		
2/ 1	.6	2.4																20	20		20	46		
0/ -1	1.0	.6																11	11		15	29		
-2/ -3		1.5																10	10		9	21		
-4/ -5	.4	.3																5	5		8	22		
-6/ -7	.3																	2	2		4	17		
-8/ -9	.9																	6	6		6	14		
-10/ -11	.3																	2	2		2	10		
-12/ -13	.3																	2	2		2	7		
-14/ -15	.3																	2	2		2	6		
-16/ -17																						7		
-18/ -19																						5		
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

YEARS

**FEB**  
MONTH

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

FEB

MONTH

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**FEB**  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

9479 54321

9479 54321

YEARS

PAGE 1 1500-1700  
HOURS L. S. T. 1

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

**FEB**  
MONTH

1500-1700  
HOURS U. S. T.

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
46/ 45		.4																3	3					
44/ 43																				3				
42/ 41		.6		.1														5	5		3			
40/ 39	.1	.3	1.5															13	13	5	3			
38/ 37	.3	.7	2.1															21	21	7	1			
36/ 35		2.1	2.2															29	29	24	6			
34/ 33	2.2	1.6	1.5															36	36	38	13			
32/ 31	1.2	3.1	4.3	.6														62	62	36	30			
30/ 29		2.7	1.9	.6														35	35	38	30			
28/ 27	.1	2.9	1.3	.4														33	33	42	28			
26/ 25	.1	1.5	2.4	.1														28	28	34	30			
24/ 23		1.0	.9															13	13	28	26			
22/ 21	1.3	4.3	1.3															47	47	39	23			
20/ 19	.7	5.8	.3															46	46	42	34			
18/ 17	.4	3.8	1.0															36	36	45	23			
16/ 15	.4	4.7	.4															38	38	32	46			
14/ 13	.9	4.6	.9															43	43	39	38			
12/ 11	1.3	6.5	.3															55	55	48	42			
10/ 9	.9	5.6	.1															45	45	53	37			
8/ 7	.7	2.2																20	20	46	34			
6/ 5	.1	.9																7	7	12	40			
4/ 3	.3	2.9																22	22	13	30			
2/ 1	.1	1.9																14	14	22	34			
0/ -1	.4	.4																6	6	8	29			
-2/ -3	.4	.9																9	9	9	21			
-4/ -5	.4	.3																5	5	8	17			
-6/ -7	.4	.6																7	7	4	7			
-8/ -9																				3	8			
-10/-11																					15			
-12/-13																					6			
-14/-15																					6			
-16/-17																					5			
-18/-19																					7			
-20/-21																					3			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

**74-81**

YEARS

FEB  
MONTH

PAGE 2

1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
48/ 47		.3																	2	2			
46/ 45		.1																	1	1	2		
44/ 43				.1															1	1	1	2	
42/ 41		.7		.1															6	6	1	1	
40/ 39		.6	.7																9	9	5	3	
38/ 37	.3	.6	1.6																17	17	8	1	
36/ 35	.1	1.0	2.5	.1															26	26	15	8	
34/ 33	2.7	2.8	1.6																48	48	38	18	
32/ 31	1.3	2.4	2.1																39	39	42	28	
30/ 29	.3	2.2	2.2																32	32	33	28	
28/ 27	.4	1.8	.6																19	19	37	28	
26/ 25	.1	1.3	1.0																17	17	20	32	
24/ 23	.3	2.4	1.8																30	30	17	16	
22/ 21	1.5	3.5	.9	.1															41	41	42	24	
20/ 19	1.9	4.0	.3																42	42	44	26	
18/ 17	.3	4.7	.4																37	37	43	25	
16/ 15	.9	4.1																	34	34	30	33	
14/ 13	.9	2.5																	23	23	30	46	
12/ 11	1.6	5.2																	46	46	31	42	
10/ 9	1.5	6.6																	55	55	54	15	
8/ 7	.7	3.8																	31	31	50	37	
6/ 5	.7	3.4																	28	28	34	15	
4/ 3	1.3	1.5																	19	19	20	38	
2/ 1	.7	3.1																	26	26	24	65	
0/ -1	1.3	.7																	14	14	17	26	
-2/ -3	.4	1.3																	12	12	13	29	
-4/ -5	.3	.9																	8	8	7	11	
-6/ -7	.4																		3	3	8	13	
-8/ -9	.9																		6	6	6	8	
-10/-11	.6																		4	4	4	16	
-12/-13	.3																		2	2	2	7	
-14/-15																						8	
-16/-17																						9	
-18/-19																						7	
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-3 (OL A) JUN 71 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

9477 54321

## PSYCHROMETRIC SUMMARY

**726450**  
**STATION**

AUSTIN STRAUBEL WI

STATION NAME

74-81

YEARS

**FEB**

MONTH

**PAGE 2**

2100-2300  
HOURS (L. S. T.)

[illegible]

477 54321

FEB

YEARS

ALL

**HOURS 11:50-1:10**

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 75



## PSYCHROMETRIC SUMMARY

**FEB**  
MONTH

**ALL**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point									
-12/-13	.3																	15	15	15	46									
-14/-15	.3																	15	15	15	50									
-16/-17	.1																	7	7	7	64									
-18/-19	.1																	4	4	4	48									
-20/-21	.0																	1	1	1	38									
-22/-23																					22									
-24/-25																					22									
-26/-27																					6									
-28/-29																					4									
-32/-33																					3									
-34/-35																					1									
TOTAL	19.9	56.9	19.3	3.5	.3													5422	5422	5422										
Element (X)	Z <sub>X</sub> <sup>†</sup>	Z <sub>X</sub>	X	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																		
Rel. Hum.	29181939	391149	72.1	13.335	5422	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb	2834900	102792	19.0	12.785	5422	52.6	552.8					672																		
Wet Bulb	2419076	93876	17.3	12.100	5422	58.5	592.1					672																		
Dew Point	1737713	60443	11.1	14.009	5422	154.2	641.4					672																		



## PSYCHROMETRIC SUMMARY

**74-81**

YEARS

MAR  
MONTH

PAGE 2

0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

74-81  
YEARS

MAR  
MONTH

PAGE 1 0300-0500  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
56/ 55				.3														2														2					
54/ 53				.1														1														1					
50/ 49		.1	.1															2													2		2				
48/ 47		1.2	.1	.3														12													12		4	1			
46/ 45	.3	.1	.5															7													7		10	9			
44/ 43	.1	1.2																10													10		6	7			
42/ 41		1.6	.8															18													18		16	7			
40/ 39	.4	.5	1.1	.1														16													16		13	14			
38/ 37	.7	2.6	.9	.1														32													32		17	16			
36/ 35	.9	4.0	.7	.1														43													43		33	10			
34/ 33	1.6	3.6	2.4															57													57		53	33			
32/ 31	1.6	8.1	1.2															81													81		55	55			
30/ 29	1.7	5.6	3.0															77													77		90	47			
28/ 27	1.9	4.2	1.7															58													58		66	53			
26/ 25	1.3	4.3	.8															48													48		65	83			
24/ 23	.5	1.5	.1															16													16		36	33			
22/ 21	.9	4.4	.5															44													44		32	32			
20/ 19	.1	4.0	.3															33													33		35	52			
18/ 17	.9	3.9	.1															37													37		34	29			
16/ 15	.7	2.3																22													22		33	31			
14/ 13	.8	1.7	.3															21													21		24	38			
12/ 11	.7	1.3																15													15		17	29			
10/ 9	.7	1.6																17													17		20	24			
8/ 7	.1	3.0																23													23		16	30			
6/ 5	.3	1.6																14													14		26	15			
4/ 3	.5	.5																8													8		10	13			
2/ 1	.4	.8																9													9		9	14			
0/ -1	1.2	.3																11													11		10	13			
-2/ -3	.5																	4													4		6	15			
-4/ -5	.4																	3													3		3	14			
-6/ -7	.4																	3													3		3	10			
-8/ -9																																			4		
-10/ -11																																			7		
-14/ -15																																			5		
Element (X)	Σ X <sup>1</sup>			Σ X			Σ			Σ <sub>2</sub>			No. Obs.			Mean No. of Hours with Temperature																					
Ref. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

## PSYCHROMETRIC SUMMARY

YEARS

**MAR**  
**MONTH**

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

**USAFETAC**      **FORM**      **0-26-3 (OL A)**      **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
**11 (JUN 71)**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

74-81

YEARS

MAR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 53		.1	.1															2	2					
52/ 51		.5	.1															5	5	3				
50/ 49		.4		.1														4	4	5	3			
48/ 47		1.2	.1															10	10	4	6			
46/ 45		.8	.1	.4														10	10	10	9			
44/ 43		1.1	.4	.1														12	12	7	7			
42/ 41		1.1	.5															12	12	11	4			
40/ 39	.4	.9	1.9															24	24	18	9			
38/ 37	.7	3.1	.7	.3														35	35	22	19			
36/ 35	.4	4.2	1.3	.4														47	47	35	10			
34/ 33	1.5	5.1	1.5	.1														61	61	50	33			
32/ 31	.9	7.9	2.2															82	82	67	59			
30/ 29	1.3	5.1	1.5															59	59	76	48			
28/ 27	1.6	3.8	1.9															54	54	64	68			
26/ 25	1.5	3.4	.5															40	40	54	49			
24/ 23	.4	2.4	.4															24	24	39	38			
22/ 21	1.1	3.9	.7															42	42	37	41			
20/ 19	1.3	3.2																34	34	33	51			
18/ 17	.4	4.4																36	36	30	39			
16/ 15	.9	2.3	.1															25	25	38	29			
14/ 13	.7	1.7																18	18	20	30			
12/ 11	1.2	1.3																19	19	27	27			
10/ 9	.8	1.1																14	14	12	36			
8/ 7	.3	.9																9	9	12	26			
6/ 5		1.9																14	14	13	14			
4/ 3	.5	1.7																17	17	20	10			
2/ 1	1.1	.7																13	13	14	5			
0/ -1	.3	.3																4	4	3	12			
-2/ -3	1.5	.1																12	12	14	17			
-4/ -5	.4	.1																4	4	4	17			
-6/ -7	.1																	1	1	1	8			
-8/ -9	.1																	1	1	1	9			
-10/-11																					7			
-12/-13																					1			
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL MI  
STATION NAME

74-81

YEARS

**MAR**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-6/-7																																	6		
-10/-11																																	1		
-12/-13																																	1		
-14/-15																																	1		
-16/-17																																	1		
TOTAL	6.6	45.2	34.9	9.3	3.0	.9	.1																										744	744	744
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	O <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Ref. Hum.	3957500	53244	71.6	14.071	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	813442	23210	31.2	10.968	744	.3	50.4					93																							
Wet Bulb	683448	21198	28.5	10.342	744	.4	60.1					93																							
Dew Point	493952	16868	22.7	12.251	744	.1	73.5					93																							

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAR  
MONTH

PAGE 1 1200-1400  
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
6E/ 67							.1											1	1		
66/ 65						.1												1	1		
62/ 61		.3	.1	.1	.3													6	6		
60/ 59			.3		.5	.1	.3											9	9	3	
58/ 57		.1	.3	.4	.4	.3	.1											12	12	1	3
56/ 55		.4	.3	.1	.5		.3	.1										13	13	6	1
54/ 53		.3	.3	.8	.1	.3	.3											15	15	6	1
52/ 51		.4		.3	.8	.3	.4	.3										18	18	17	8
50/ 49			.3	1.2	.1	.3	.3											16	16	7	6
48/ 47		.4	.5	.7		.4												15	15	12	8
46/ 45		.3	1.7	1.2	1.2		.1											34	34	14	8
44/ 43		.5	1.1	.8	.9	.5												29	29	29	9
42/ 41		.4	1.5	2.8	.5	.3												41	41	24	13
40/ 39		2.3	1.9	1.2	.9													47	47	28	18
38/ 37		2.0	2.2	1.9	.5													49	49	59	24
36/ 35	.8	3.6	3.6	1.3	.3													72	72	59	31
34/ 33	.5	2.6	3.6	2.0	.9													72	72	64	47
32/ 31	.1	2.4	5.0	2.0	.5													75	75	73	45
30/ 29	.5	.8	3.4	.9	.1													43	43	60	50
28/ 27	.5	1.6	2.3	1.2														42	42	64	49
26/ 25	.1	.4	3.1	.3														29	29	53	51
24/ 23		1.3	2.6	.1														30	30	40	47
22/ 21		.8	2.2															22	22	39	32
20/ 19	.7	.8	1.6															23	23	31	64
18/ 17	.1	.4	.9															11	11	18	39
16/ 15	.1	.4	.7															9	9	13	40
14/ 13		.3	.1															3	3	12	28
12/ 11		.4	.1															4	4	4	25
10/ 9			.1															1	1	4	30
8/ 7		.1																1	1	2	20
6/ 5		.1																1	1	1	11
4/ 3																				1	11
2/ 1																					12
0/ -1																					3
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

<u>726450</u>	<u>AUSTIN STRAUBEL WI</u>
STATION	STATION NAME

74-81

YEARS

MAR

MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point		
-2 / -3																					2		
-4 / -5																					4		
-8 / -9																					2		
-1C / -11																					2		
TOTAL	3.6	23.5	39.7	19.5	8.9	2.6	1.9	.4										744	744	744	744		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 69								.1										1	1																
68/ 67							.3											2	2																
62/ 61		.1			.1	.1												3	3																
60/ 59		.1			.1		.1											3	3	2															
58/ 57		.4		.3	.4		.4											11	11	2	2														
56/ 55		.3	.3	.3	.4	.1		.1										11	11	4	3														
54/ 53	.1	.3	.1	.8	.1	.5	.1											16	16	7	1														
52/ 51	.1	.1	.3	.4	.7	.5	.1	.1										18	18	8	5														
50/ 49		.4	.8	1.1	.7	.3	.4											27	27	6	4														
48/ 47		.1	.7	1.3	.7	.4	.3											26	26	15	5														
46/ 45		.4	.5	.5	.3	1.3	.3											25	25	19	7														
44/ 43		.5	1.6	.8	.7	.7												32	32	28	10														
42/ 41		.5	1.3	2.8	1.1	.3												45	45	26	15														
40/ 39		1.7	2.6	1.2	.7	.1												47	47	30	17														
38/ 37		1.5	2.3	1.7	.7	.1												47	47	52	23														
36/ 35	.7	3.1	3.8	2.7	.9	.3												85	85	69	29														
34/ 33	.9	3.1	3.6	3.0	.7													84	84	71	44														
32/ 31	1.1	1.3	3.8	2.2	.5													66	66	77	63														
30/ 29	.7	1.9	1.3	.4														32	32	78	56														
28/ 27	.3	1.9	3.0	1.6														50	50	62	50														
26/ 25		.9	3.0	.4														32	32	43	44														
24/ 23		.9	2.2	.1														24	24	45	29														
22/ 21		.3	1.7															15	15	31	46														
20/ 19	.4	.1	2.0	.1														20	20	26	68														
18/ 17	.4	.1	.7															9	9	10	44														
16/ 15		.4	.3															5	5	15	35														
14/ 13			.7															5	5	9	25														
12/ 11			.3															2	2	2	26														
10/ 9		.1																1	1	6	25														
8/ 7																				1	30														
6/ 5																					6														
4/ 3																					2														
2/ 1																					15														
0/ -1																					5														
Element (X)	Σ x'			Σ x			X	σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature						Total															
Rel. Hum.														≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

9477 54321

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI

**74-81**

MAR

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

**1800-2000**  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

188

**PAGE 2**

180 700  
HOURS (S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

MAR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
56/ 55				.4	.1	.1																										5	5				
54/ 53					.4	.1																										4	4				
52/ 51		.4			.1																											4	4				
50/ 49		.5	.3	.1	.1																											8	8	9	3		
48/ 47		.1	.3																													3	3	3	3		
46/ 45		.7	.3	.4																												10	10	8	4		
44/ 43		.3	.1	.4	.1																											7	7	11	3		
42/ 41		1.6	.4	.5																												19	19	6	7		
40/ 39	.1	1.6	1.6	.7																												30	30	18	12		
38/ 37	.1	3.5	1.1	1.6																												47	47	18	13		
36/ 35	1.2	3.4	3.0	.8																												62	62	58	28		
34/ 33	1.6	7.7	3.0	.1																												92	92	61	32		
32/ 31	1.7	7.1	3.1																													89	89	108	72		
30/ 29	.8	3.6	2.8	.1																												55	55	72	56		
28/ 27	1.1	4.2	1.9	.3																												55	55	66	68		
26/ 25	.4	3.4	1.9																													42	42	56	65		
24/ 23		2.6	2.4																													37	37	35	38		
22/ 21	.8	2.7	1.3																													36	36	36	52		
20/ 19	.4	2.0	.9																													25	25	41	50		
18/ 17	.4	2.6	.7																													27	27	27	19		
16/ 15	.7	2.0	.3																													22	22	33	29		
14/ 13	.7	1.5	.4																													19	19	19	31		
12/ 11	.5	1.2	.3																													15	15	16	32		
10/ 9	.1	1.5																														12	12	14	39		
8/ 7	.1	.9																														8	8	13	19		
6/ 5	.3	.5																														6	6	9	13		
4/ 3		.5																														4	4	6	13		
2/ 1		.1																														1	1	1	7		
0/ -1																																			14		
-2/ -3																																			7		
-4/ -5																																			9		
-6/ -7																																			6		
TOTAL	11.2	56.2	25.9	5.5	.9	.3																											744	744	744	744	
Element (X)	Σ x <sup>2</sup>		Σ x		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.	4396516		56346		75.7		13.188		744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						93															
Dry Bulb	696885		21623		29.1		9.598		744				56.6								93																
Wet Bulb	603138		20054		27.0		9.179		744				69.0								93																
Dew Point	452588		16416		22.1		11.029		744		4.5		79.9								93																



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

ALL  
HOURS (L.S.T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAR

**MONTH**

ALL

HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 STATION AUSTIN STRAUBEL WI STATION NAME 74-81 YEARS APR MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
66/ 67				.1														1	1								
66/ 65				.7	.3													7	7								
64/ 63		.1		.1		.1												3	3								
62/ 61		.3	.4		.3	.1												8	8	2							
60/ 59		.4	.3	.3														7	7	8	2						
58/ 57		.6	.3	.1	.4													10	10	9	3						
56/ 55		.6	.4	.1		.1												9	9	8	13						
54/ 53		.4	.4	.3	.1													9	9	10	8						
52/ 51	.3	.1	.8	.7	.4	.3												19	19	9	11						
50/ 49	.3	1.1	2.2	1.0	.4													36	36	13	5						
48/ 47		.8	1.9	.7	.6													29	29	18	9						
46/ 45		2.2	2.4	.6	.4													40	40	31	17						
44/ 43		1.9	2.4	2.4	.3													50	50	44	19						
42/ 41	.3	1.9	3.5	1.7														53	53	44	30						
40/ 39	.6	2.8	2.6	1.3														52	52	39	43						
38/ 37	.7	3.8	2.2	.7														53	53	79	40						
36/ 35	.7	5.4	3.1	1.0														73	73	60	50						
34/ 33		2.2	3.2	.8														45	45	66	46						
32/ 31	.8	6.3	4.4	1.5														94	94	50	77						
30/ 29	.4	1.9	3.6	.1														44	44	73	57						
28/ 27		2.6	2.4															36	36	53	53						
26/ 25		1.3	1.1															17	17	56	51						
24/ 23		.8	.6															10	10	19	25						
22/ 21	.1	.7	.3															8	8	13	37						
20/ 19	.1	.3	.1															4	4	10	46						
18/ 17	.1	.1																2	2	3	28						
16/ 15		.1																1	1	2	21						
14/ 13																				1	15						
12/ 11																					6						
10/ 9																					5						
8/ 7																					3						
TOTAL	4.4	38.9	38.6	14.2	3.2	.7													720	720		720					
																		720		720							
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	4109291		53703		74.6		12.011		720		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb	1139091		27857		38.7		9.233		720				27.0		.1								90				
Wet Bulb	972209		25695		35.7		8.764		720				35.0										90				
Dew Point	766911		22337		31.0		10.141		720				53.0										90				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

74-81

YEARS

APR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65				.3														2	2					
64/ 63			.4	.1														4	4					
62/ 61				.4														3	3	1				
60/ 59		.1	.7	.1	.3													9	9	4	1			
58/ 57		.8	.1	.3														9	9	2	3			
56/ 55		.6	.4	.1	.4	.1												12	12	15	4			
54/ 53		.3	.8	.4														11	11	6	9			
52/ 51		.4	.7	.6														12	12	10	12			
50/ 49	.1	.8	1.4	.4	.1													21	21	12	3			
48/ 47	.4	1.3	1.7	1.0														31	31	21	17			
46/ 45		1.3	1.3	1.0	.4													28	28	27	16			
44/ 43		2.5	1.5	1.9														43	43	28	17			
42/ 41		3.9	2.9	1.0														56	56	35	24			
40/ 39	.7	3.5	4.0	.6														63	63	61	36			
38/ 37	.6	2.8	1.9	.1														39	39	54	42			
36/ 35	1.0	4.9	3.1	.6														68	68	69	52			
34/ 33		5.7	1.5	.1														53	53	54	41			
32/ 31		7.1	4.3															82	82	68	75			
30/ 29	.7	3.8	5.3	.4														73	73	72	62			
28/ 27		3.9	1.0															35	35	45	64			
26/ 25		2.1	1.5															26	26	69	49			
24/ 23	.1	1.3	1.1															18	18	26	25			
22/ 21		.3	.3															4	4	16	34			
20/ 19		1.0	.3															9	9	6	52			
18/ 17		.3	.1															3	3	10	31			
16/ 15		.7																5	5	3	12			
14/ 13		.1																1	1	6	12			
12/ 11																					10			
10/ 9																					8			
8/ 7																					5			
6/ 5																					2			
4/ 3																					2			
TOTAL	3.6	49.2	36.4	9.4	1.3	.1												720	720	720	720			
Element (X)	Σ x'		Σ x		Σ	Σ n		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	4340856		55336		76.9	1.062		720		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1055502		26760		37.2	9.205		720			32.0					90								
Wet Bulb	917415		24913		34.6	8.777		720			40.1					90								
Dew Point	736445		21859		30.4	10.063		720			55.4					90								

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

0600-0800

HOURS 14 5 7 1

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

143, 54321

USAFETAC  
FORM 0-26-3 (OL A)  
JUN 71

YEARS

APR  
MONTH

0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

APR  
MONTH

0900-1100  
HOURS (11:55-1:00)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

<u>726450</u>	<u>AUSTIN STRAUBEL WI</u>
STATION	STATION NAME

74-81

YEARS

APR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
12 / 11																					4			
10 / 9																					7			
8 / 7																					4			
TOTAL	1.7	18.8	22.8	24.3	16.5	9.3	3.9	1.8	1.0										720		720			
																		720		720				
Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	X	C <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature							Total											
Rel. Hum.	3165988	46336	64.4	5.998	720	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F													
Dry Bulb	1636168	33392	46.4	1.033	720		8.1	4.4	1.6	.3		90												
Wet Bulb	1272132	29510	41.0	9.333	720		17.0	.1				90												
Dew Point	921085	24607	34.2	10.555	720		41.8					90												





## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450      AUSTIN STRAUBEL WI

74-81

APR

PAGE 1      1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89													.1								1	1		
88/ 87												.1	.1								2	2		
86/ 85											.1										1	1		
84/ 83											.1		.1								2	2		
82/ 81									.1	.3			.1								4	4		
80/ 79									.3	.3											4	4		
78/ 77						.1	.1	.3	.3												6	6		
76/ 75					.1	.1		.4		.4											8	8		
74/ 73				.3		.4		.6	.4	.1											13	13		
72/ 71					.4		.3	.3	.3	.8	.3										17	17		
70/ 69			.1		.1	.3		.4		.4											10	10		
68/ 67			.3	.1	.7	.3	.3	.8	.6												22	22	5	
66/ 65		.1	.1		.1	.1	.4	.6	.7	.3											18	18	10	
64/ 63		.3	.3	.1	.6	.7	.4	.4	.3												22	22	16	
62/ 61			.1	.3	.7	.3	.4	1.4	.3												25	25	14	
60/ 59		.1	.7	.4	.3	.6	1.7	1.1													35	35	14	
58/ 57		.1	.4	.6	1.1	.7	1.8	.7	.1												40	40	18	
56/ 55				1.0	1.1	1.0	.7	.6													31	31	18	
54/ 53		.1	.3	1.4	.4	1.0	1.0	.1													31	31	35	
52/ 51		.8	1.1	.6	1.9	1.5	1.0														50	50	25	
50/ 49		.3	1.4	1.0	.8	2.6	1.3														53	53	42	
48/ 47		.6	.4	1.5	.8	1.8	.1														38	38	65	
46/ 45		.7	.8	1.4	2.8	.7	.6														50	50	44	
44/ 43		1.7	1.5	.4	1.8	.6	.1														44	44	60	
42/ 41	.6	.3	1.3	1.4	1.3	.4															37	37	47	
40/ 39	.1	1.8	2.2	.7	1.4	.1															46	46	63	
38/ 37		1.1	.4	.7	1.3																25	25	62	
36/ 35	.1	2.1	.7	1.0	.4																31	31	56	
34/ 33	.4	.8	1.5	.8																	26	26	39	
32/ 31	.3	1.0	1.3	.1	.1																20	20	37	
30/ 29	.1		.3	.4																	6	6	25	
28/ 27		.1		.1																	2	2	16	
26/ 25																							4	
24/ 23																							5	
Element (X)	Σ x <sup>2</sup>				Σ x				Σ				Σ				Σ				No. Obs.			
Rel. Hum.																					Mean No. of Hours with Temperature			
Dry Bulb																					≥ 0 F			
Wet Bulb																					≥ 32 F			
Dew Point																					≥ 67 F			
																					≥ 73 F			
																					≥ 80 F			
																					≥ 93 F			
																					Total			

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NA

74-81

YEARS

APR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NA

74-81

YEARS

APR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

APR  
MONTH

**1800-2000**  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

**APR**  
**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)





## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

YEARS

0600-0800  
HOURS (L.S.T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

0600-0800  
MO:RS 5 10

**USAFETAC**      **FORM 0-26.3 (OL A)**      **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
JUN 71



## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NA

74-81

YEARS

MAY  
MONTH

PAGE 2

0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

**74-81**

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

**1200-1400**

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

MAY  
MONTH

**PAGE 2**

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NA

74-81

YEARS

MAY  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

477 94321

YEARS

PAGE 1

1800-2000  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
11 JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

477 54321

74-81

**YEARS**

MAY

PAGE 1 2100-2300  
HOURS (L., S., T.)

2.00 - 2.50  
HOURS (L - S - T.)

**USAFETAC**  
FORM  
JUN 71  
0-26-3 (OL A)  
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

MAY  
MONTH

PAGE 1

ALL

**ALL**  
HOURS (L. S. T.)

[illegible]

477 54321

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

MONTH

YEARS

ALL

HOURS (L, S, T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

JUN  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.1														1	1		
78/ 77			.3	.1														3	3		
76/ 75				.1	.4													4	4		
74/ 73		.3	.6	.3	.3													10	10	4	
72/ 71		.4	.8		.1	.1	.1											12	12	4	4
70/ 69		.7	1.1															13	13	10	9
68/ 67		1.3	1.3	1.3	.7	.6	.3											38	38	17	7
66/ 65	.1	2.8	2.1	2.2	.7	.1												58	58	27	20
64/ 63	.1	4.7	2.2	1.8	.6	.1												69	69	34	29
62/ 61		2.1	2.2	1.3	.7													45	45	51	41
60/ 59	.6	2.5	4.7	1.5	.4													70	70	58	39
58/ 57	.6	4.0	3.6	2.1	.1													75	75	79	54
56/ 55	.7	4.2	3.5	2.9	.8													87	87	79	60
54/ 53	.1	2.5	3.2	1.1	.4													53	53	66	77
52/ 51		3.8	4.2	1.0	.1													65	65	62	54
50/ 49		1.4	3.2	1.0	.3													42	42	73	72
48/ 47		1.8	1.4	.7														28	28	50	59
46/ 45		.8	1.7	.1	.1													20	20	38	47
44/ 43		.4	2.1	.3														20	20	31	40
42/ 41			.4															3	3	16	40
40/ 39																				15	20
38/ 37		.3	.1															3	3	4	23
36/ 35		.1																1	1	1	19
34/ 33																				1	1
32/ 31																					2
30/ 29																					3
TOTAL	2.2	34.0	38.6	17.9	5.8	1.0	.4											720	720	720	720
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.	4715236		57792		80.3		10.313		720		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$					
Dry Bulb	2436689		41549		57.7		7.367		720				10.1	2.3	.1		90				
Wet Bulb	2163715		39119		54.3		7.299		720				4.4	.5			90				
Dew Point	1961171		37111		51.5		8.201		720				.6	2.5			90				

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

JUN

PAGE 1

0600-0800

**HOURS** 1. 5. T. 1.

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION #

74-81

YEARS

**JUN**  
**MONTH**

PAGE 1

0900-1100

HOURS 12.5. T.

[illegible]



## PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI

**74-81**

JUN

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

**1500-1700**

HOURS 11-5-10



## PSYCHROMETRIC SUMMARY

JUN

**MONTH**

**2100-2300**

HOURS: 11:30-5:00



## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81

YEARS

JUN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

JUN

STATION

STATION NAME

YEARS

MONTH

**PAGE 2**

ALL

HOURS (L, S, T.)



## PSYCHROMETRIC SUMMARY

**JUL**  
**MONTH**

**0300-0500**  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

1111

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L, S, T)



AD-A113 705

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2.  
AUSTIN STRAUER APT, GREEN BAY, WISCONSIN. REVISED UNIFORM SUMM--ETC (11)  
MAR 82

UNCLASSIFIED USAFETAC/DS-82/017

SBI-AD-F850 151

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## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

0477 54321

**JUL**  
**MONTH**

YEARS

2100-2300  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

74-81  
YEARS

YEARS

JUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
98/ 97										.1	.0							6	6			
96/ 95								.0		.2	.0							13	13			
94/ 93							.1	.0	.2	.1	.0			.0				21	21			
92/ 91						.0	.0	.2	.2	.2	.1	.1	.0	.0				42	42			
90/ 89					.0	.1	.2	.2	.4	.2	.2	.1	.0					75	75			
88/ 87					.1	.2	.4	.4	.3	.5	.2	.1						123	123			
86/ 85					.2	.4	.6	.5	.3	.2	.3	.0						148	148			
84/ 83		.0	.1	.2	.5	.8	.5	.7	.9	.3	.1	.1						249	249			
82/ 81		.1	.2	.4	.9	.8	.9	1.0	.7	.5	.1							320	320	9		
80/ 79		.1	.2	.8	1.2	.8	1.1	.9	.4	.3	.2							352	352	34	3	
78/ 77		.1	.5	.8	1.1	1.2	1.1	.6	.3	.3	.1							361	361	94	23	
76/ 75	.1	.1	.6	1.4	1.2	1.1	1.0	.4	.3	.1								370	370	166	46	
74/ 73	.0	.4	1.5	1.5	1.0	1.2	.6	.3	.3									403	403	336	94	
72/ 71	.0	.8	2.0	1.7	1.1	1.1	.7	.5	.0									468	468	365	203	
70/ 69	.2	1.3	2.4	1.5	1.3	.7	.6	.2										488	488	518	349	
68/ 67	.2	1.8	2.2	1.3	1.2	.5	.4											456	456	691	474	
66/ 65	.2	2.3	2.1	1.9	.8	.3	.1											461	461	662	482	
64/ 63	.1	2.6	1.9	1.2	.8	.3	.0											410	410	657	497	
62/ 61	.1	1.9	1.5	1.1	.5	.0												288	288	557	574	
60/ 59	.1	1.9	2.1	.6	.3	.0												297	297	539	639	
58/ 57	.1	1.5	1.3	.5	.0													202	202	445	560	
56/ 55		1.0	1.1	.4	.1													157	157	344	516	
54/ 53	.0	1.1	.8	.1														116	116	184	464	
52/ 51		.7	.4	.0														69	69	175	302	
50/ 49		.5	.1	.0														37	37	110	289	
48/ 47		.2	.1															18	18	43	249	
46/ 45		.0	.0															2	2	17	124	
44/ 43																				6	47	
42/ 41																					13	
40/ 39																					4	
TOTAL	1.0	18.0	21.1	15.5	12.2	9.6	8.2	5.9	4.1	2.8	1.2	.3	.1	.0				5952	5952	5952		
																		5952		5952		
Element (X)	Σ x'		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	31010778		418256		70.3		16.496		5952		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F	
Dry Bulb	30284951		420849		70.7		9.419		5952				486.9		310.4		150.4		5.0		744	
Wet Bulb	24553090		380142		63.9		6.788		5952				276.6		79.9		2.5				744	
Dew Point	21531802		355378		59.7		7.254		5952				149.0		20.8		.1				744	

USAFETAC FORM 0-28-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
82/ 81					.1													1	1					
80/ 79				.3														2	2					
78/ 77			.3	.1														3	3					
76/ 75		.1																1	1					
74/ 73		.9	.1	.3	.1													11	11	6	1			
72/ 71		.4	.7	.4	.4													14	14	10	10			
70/ 69	.3	2.8	3.0	.4														48	48	11	9			
68/ 67	.7	3.6	3.5	.3			.1											61	61	42	27			
66/ 65	.7	6.7	2.7	.1		.1												77	77	65	49			
64/ 63	2.0	11.2	3.5	1.1	.4													135	135	109	95			
62/ 61	.7	8.1	3.2	1.1	.3													99	99	98	86			
60/ 59	.5	5.0	2.0	.4														59	59	84	96			
58/ 57		3.9	2.7	.5	.1													54	54	67	66			
56/ 55		2.6	3.0	.4														44	44	62	62			
54/ 53	.3	3.0	3.1	.5	.1													52	52	39	36			
52/ 51		2.8	1.3	.1														32	32	52	50			
50/ 49		2.0	1.5															26	26	44	51			
48/ 47	.1	1.9	.8															21	21	24	41			
46/ 45		.5																4	4	23	26			
44/ 43																				8	22			
42/ 41																					12			
40/ 39																					5			
TOTAL	5.2	55.5	31.3	6.0	1.6	.1	.1											744	744	744	744			

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

**YEARS**

**AUG**  
**MONTH**

0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 73

**AUG**

## PSYCHROMETRIC SUMMARY

PAGE 1

0600-0800

HOURS (L., S., T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**AUG**  
**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

**AUG**  
**MONTH**

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

<u>726450</u>	<u>AUSTIN STRAUBEL WI</u>
STATION	STATION NAME

74-81

YEARS

AUG

**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450	AUSTIN STRAUBEL WI
STATION	STATION N

74-81

YEARS

**AUG**  
**MONTH**

PAGE 1

ALL

**HOURS** 10:30 - 1:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
98/ 97											.0	.0						2	2					
96/ 95											.0							1	1					
94/ 93											.0							2	2					
92/ 91									.0	.0								3	3					
90/ 89								.1	.0	.1	.0							11	11					
88/ 87						.1	.2	.1	.1	.1								31	31					
86/ 85				.0	.1	.2	.2	.3	.4	.1	.1							76	76					
84/ 83			.0	.1	.2	.6	.5	.3	.2	.1	.0							129	129					
82/ 81			.0	.2	.4	.5	.7	.5	.2	.1								160	160					
80/ 79		.0	.1	.5	.6	.9	.3	.7	.6	.1								226	226	6				
78/ 77		.0	.3	.5	.8	.8	1.1	.8	.1		.1							259	259	31				
76/ 75		.1	.6	1.0	1.5	.8	.9	.6	.2	.0								336	336	70				
74/ 73	.0	.5	.9	1.8	.9	.9	.6	.5	.3	.0								374	374	174				
72/ 71		1.0	1.7	1.7	1.0	.6	.7	.6	.1									441	441	245				
70/ 69	.2	1.7	2.9	1.0	.8	.6	.7	.4	.0									490	490	399				
68/ 67	.7	3.2	3.2	1.1	1.0	.5	.5	.1										609	609	617				
66/ 65	.8	4.6	2.7	1.2	.6	.3	.2	.1										626	626	790				
64/ 63	.9	4.8	1.8	1.2	.5	.2	.2											567	567	827				
62/ 61	.5	3.5	1.7	1.1	.3	.1	.1											430	430	629				
60/ 59	.3	2.6	1.4	.6	.2	.0	.0											303	303	565				
58/ 57	.1	1.9	1.4	.3	.1													224	224	472				
56/ 55	.1	1.7	1.2	.3	.1	.0												203	203	342				
54/ 53	.1	1.2	.9	.3	.1													155	155	252				
52/ 51		1.1	.6	.0														100	100	175				
50/ 49		1.0	.5															88	88	139				
48/ 47	.0	.7	.2															52	52	104				
46/ 45	.0	.5																32	32	67				
44/ 43		.2	.0															14	14	29				
42/ 41		.0																2	2	11				
40/ 39																				2				
38/ 37																								
36/ 35																								
TOTAL	3.8	30.5	22.1	12.9	8.8	7.2	6.8	4.9	2.2	.5	.2	.0						5946	5946	5946				
Element (X)	Σx²			Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	36070916			452868		76.2		16.297		5946		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	27405861			400409		67.3		8.622		5946						394.1		201.5		66.8		.6		744
Wet Bulb	23243959			369673		62.2		6.623		5946						192.9		35.2						744
Dew Point	20921169			350119		58.9		7.163		5946						100.2		8.6						744

## PSYCHROMETRIC SUMMARY

YEARS

**PAGE 1**

0000-0200  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI

73-80

SEP

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.1													1	1		
78/ 77				.3													2	2		
76/ 75			.1														1	1		
74/ 73			.4	.1													4	4	1	
72/ 71		.3	.4	.3	.4		.1										11	11	5	
70/ 69		1.1	.7			.1											14	14	8	9
68/ 67		.6	1.3	.1	.3	.3											18	18	10	8
66/ 65	.6	.8	.8	.4	.3												21	21	15	14
64/ 63	.3	3.1	1.1	.1													33	33	29	17
62/ 61	.8	3.5	1.1	.8	.3	.1											48	48	32	27
60/ 59	.1	4.3	2.6	.7	.1												57	57	43	37
58/ 57	.3	6.1	2.1	.6													65	65	61	46
56/ 55	.3	4.7	2.6	.6	.3												61	61	62	49
54/ 53	.1	5.6	2.8	.6													65	65	56	59
52/ 51	.4	4.7	2.8	1.1													65	65	72	68
50/ 49	.6	6.4	3.2														73	73	60	63
48/ 47	.3	3.8	.7														34	34	67	63
46/ 45	.4	3.5	.8	.1													35	35	58	61
44/ 43	.3	3.3	.7	.3													33	33	32	41
42/ 41	.1	1.8	.7	.1													20	20	28	43
40/ 39	.4	2.5	.7														26	26	26	34
38/ 37		1.7	.1	.1													14	14	22	17
36/ 35	.1	.7															6	6	15	25
34/ 33		.6	.1														5	5	5	13
32/ 31		.1	.3														3	3	5	9
30/ 29	.1	.3															3	3	3	8
28/ 27		.3															2	2	3	2
26/ 25																		2	2	2
24/ 23																				3
22/ 21																				2
TOTAL	5.3	59.6	26.3	6.5	1.7	.6	.1										720	720	720	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	5347099		61711		85.7		8.971		720		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F	
Dry Bulb	2125431		38603		53.6		8.803		720		1.0		6.4		1.0					
Wet Bulb	1947655		36947		51.3		8.480		720		1.6		3.0		.1					
Dew Point	1813205		35551		49.4		8.968		720		3.3		2.1							

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
88/ 87							.3														2	2		
86/ 85						.4	.1			.1											5	5		
84/ 83					.3	.3		.1		.1											6	6		
82/ 81					.4				.1		.1										5	5		
80/ 79				.3	.6	.6			.1	.1	.1										13	13		
78/ 77				.4	1.0	.1	.3	.1													14	14	1	
76/ 75				.4	.6	.1	.4	.4		.1											15	15	6	
74/ 73			.6	1.1	.6	.4	.3	.1													22	22	12	
72/ 71		.4	.6	.3	.1	1.1	.7														23	23	9	8
70/ 69	.1	.3	.6	1.3	1.4	.8	.3	.4													37	37	19	19
68/ 67	.1	.8	1.1	1.1	2.1	1.0	1.0		.1												53	53	24	10
66/ 65	.1	1.4	.7	2.1	1.1	1.5	.1	.1													52	52	24	21
64/ 63	.1	1.5	1.1	3.6	1.9	1.4	.3	.1													73	73	39	26
62/ 61	.4	2.1	2.8	2.5	1.8	1.4	.4														82	82	57	34
60/ 59	.1	3.9	4.0	2.8	1.7	.4		.1													94	94	77	37
58/ 57		.7	2.4	1.5	.8	1.0	.3														48	48	92	45
56/ 55		1.9	3.1	1.5	1.7	.6															63	63	84	79
54/ 53	.1	.3	1.8	1.9	.8	.1	.1														38	38	75	82
52/ 51		.6	1.4	1.1	.1	.6															27	27	53	64
50/ 49		.3	1.0	.3	.7	.4															19	19	44	40
48/ 47	.1	.4	.1	1.3	.3																16	16	43	76
46/ 45		.1	.1	.4	.1	.1															7	7	22	40
44/ 43				.4	.1																4	4	7	36
42/ 41				.1																	1	1	22	27
40/ 39																							2	20
38/ 37																							4	13
36/ 35																							3	13
34/ 33																								9
32/ 31																								6
30/ 29																								5
28/ 27																								5
26/ 25																								2
24/ 23																								1
22/ 21																								1
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total	
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

YEARS

**SEP**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

72645D

AUSTIN STRAUBEL WI

73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91								.1			.1								2	2				
90/ 89								.4			.1	.3							6	6				
88/ 87							.1	.6	.1	.1	.1								8	8				
86/ 85						.3	.4	.1				.3	.1						9	9				
84/ 83				.1	.4	.1	.3	.3	.1	.1		.3	.1						14	14				
82/ 81				.3	.3	1.0	.6	.1	.1	.1	.1								19	19				
80/ 79				.3	.3	.3	.3	.1	.1		.1								11	11				
78/ 77				.6	.3	1.3	.7	.8	.7	.1		.1							33	33	6			
76/ 75				.4	.7	.7	.4	1.1	.1	.1									26	26	11			
74/ 73			.4	1.1	.3	.4	1.3	.8	.3	.3									35	35	15	3		
72/ 71		.1	.6	.7	1.0	1.3	1.8	.8	.3	.3									49	49	15	13		
70/ 69	.1	.1	.6	1.1	1.4	1.8	1.1	1.8	.3										60	60	24	14		
68/ 67		.3	.6	.6	1.9	1.9	2.4	1.3	.3										66	66	30	19		
66/ 65		.3	1.3	1.0	1.8	1.5	2.1	.6											61	61	26	21		
64/ 63	.1	1.1	1.7	2.4	1.4	1.0	1.0	.1	.3										65	65	47	20		
62/ 61	.1	1.3	1.4	1.7	1.8	1.3	1.0	.6											65	65	67	36		
60/ 59		1.3	1.5	1.4	1.0	1.1	1.0	.3											54	54	89	38		
58/ 57		.6	1.5	1.1	1.9	.4	1.0												47	47	71	36		
56/ 55		1.3	.8	.3	.8		.4	.3											28	28	91	57		
54/ 53		.6	1.4	1.0	.4	1.1	.1												33	33	68	86		
52/ 51		.1	.3	.4	1.0	.3	.1												16	16	48	55		
50/ 49			.1	.1															2	2	40	50		
48/ 47	.3	.1		.1			.1												5	5	32	53		
46/ 45			.1	.3	.1	.3													6	6	11	48		
44/ 43																					18	50		
42/ 41																					5	33		
40/ 39																					3	17		
38/ 37																					1	19		
36/ 35																					2	15		
34/ 33																						8		
32/ 31																						15		
30/ 29																						6		
28/ 27																						3		
26/ 25																						2		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

**SEP**  
**MONTH**

1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

477 54321

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

SEP

MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

1500-1700  
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
24 / 23																					2	
22 / 21																					1	
20 / 19																					2	
TOTAL	.3	9.6	10.8	11.9	20.4	16.0	14.6	9.4	2.9	1.7	1.3	.8	.3						720		720	
																			720		720	

USAFETAC FORM 11 (JUN 71) 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450      AUSTIN STRAUBEL WI      73-80      SEP  
STATION      STATION NAME      YEARS      MONTH

PAGE 1      2100-2300  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
76/ 75				.1														1	1		
74/ 73		.3	.7	.4		.1	.3											13	13		
72/ 71		.7	.4	.3	.3	.1												13	13	2	
70/ 69		1.3	1.0	.7	.6													25	25	16	
68/ 67		1.1	1.9	.4	.1		.1											27	27	12	
66/ 65		2.6	.8	.3		.1	.1											29	29	23	
64/ 63	.4	1.7	.4	.4	.3	.4												26	26	49	
62/ 61		1.5	.7	1.1	.7	.3												31	31	19	
60/ 59	.4	3.2	2.4		.3													45	45	27	
58/ 57	1.0	3.6	2.4	.6	.1	.6												59	59	39	
56/ 55	.6	6.4	4.6	1.4	.3	.1												96	96	67	
54/ 53	.3	4.5	4.0	1.0	.1													71	71	73	
52/ 51	.1	5.1	4.6	.8	.1													78	78	76	
50/ 49		2.8	3.2	1.0														50	50	73	
48/ 47		3.1	2.1		.1													38	38	64	
46/ 45		2.4	1.4	.6	.3													33	33	47	
44/ 43		2.6	2.2															35	35	36	
42/ 41	.3	1.7	.4															17	17	39	
40/ 39	.4	1.1	.4	.3														16	16	26	
38/ 37		.6	.4															7	8	13	
36/ 35			.3															2	2	5	
34/ 33		.1	.1															2	2	4	
32/ 31			.7															5	5	3	
30/ 29																				5	
28/ 27																				1	
26/ 25																					
24/ 23																					
22/ 21																					
TOTAL	3.5	46.3	35.2	9.3	3.3	1.8	.6											719	720	719	
Element (X)	Σx <sup>1</sup>		Σx		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	4948052		59154		82.3		10.641		719		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb	2209637		39419		54.7		8.463		720			.6	9.9	1.8			90				
Wet Bulb	1983211		37291		51.9		8.270		719				1.1	3.8			90				
Dew Point	1809902		35466		49.3		9.178		719				2.4	2.4			90				



## PSYCHROMETRIC SUMMARY

SEP

YEARS

**MONTH**

All

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

SEP  
MONTH

ALL  
HOURS (L. S. Y.)

USAFETAC 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM JUN 71

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI

73-80

OCT  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71			.1															1	1		
70/ 69			.1		.1													2	2		
68/ 67			.1															1	1	1	
66/ 65		.1	.3		.4													6	6	1	
64/ 63		.8		.1	.4													10	10	6	3
62/ 61	.3	.4	.3	.3	.1													10	10	8	9
60/ 59		.7	.3	.1	.1													9	9	4	4
58/ 57		1.5	1.1	.1	.1													21	21	15	5
56/ 55		1.1	1.1	.5	.7			.1										26	26	18	15
54/ 53		.8	1.6	.5														22	22	14	11
52/ 51		2.2	.7	.1	.1		.1											24	24	21	17
50/ 49	.3	1.9	2.7	.9	.1		.1											45	45	37	27
48/ 47	.5	5.0	2.0	1.3														66	66	33	31
46/ 45	.7	3.8	2.7	.5	.3													59	59	68	37
44/ 43	.1	3.0	2.7	1.5	.1													55	55	49	38
42/ 41	.3	5.8	2.6	.9	.1													72	72	59	54
40/ 39	1.2	5.0	2.6	.1														66	66	76	64
38/ 37	.5	5.4	1.3	.4														57	57	81	52
36/ 35	.4	3.8	1.2	.7														45	45	57	68
34/ 33	.3	3.4	2.4	.1														46	46	42	57
32/ 31		4.4	1.6															45	45	45	70
30/ 29		1.6	.5															16	16	50	35
28/ 27	.3	2.2	.5															22	22	20	29
26/ 25	.1	1.3	.7															16	16	25	40
24/ 23	.1		.1															2	2	13	22
22/ 21																				1	22
20/ 19																					18
18/ 17																					10
16/ 15																					5
14/ 13																					1
TOTAL	5.1	53.9	29.3	8.5	2.8		.3	.1										744	744	744	744
																		744		744	
Element (X)	Σ x'		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	4884000		59692		80.2		11.298		744		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			Total		
Dry Bulb	1417824		31772		42.7		9.063		744			12.6	.5						93		
Wet Bulb	1256094		29876		40.2		8.712		744			19.3	.1						93		
Dew Point	1080578		27402		36.8		9.799		744			31.5							93		

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL MI

**73-80**

OC T

**MONTH**

**PAGE 1**

0300-0500

0300-0300  
HOURS (L. S. T. I)

[illegible]







## PSYCHROMETRIC SUMMARY

YEARS

**PAGE 2**

1200-1400  
HOURS (L. S. T.)

[illegible]



0477.54321

## YEARS

73-80

OCT

MONTH

**1500-1700**

HOURS (L. S. T.)

FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION MA

**73-80**

OCT  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
72/ 71								.1										1	1			
70/ 69			.5															4	4			
68/ 67		.1	.3	.1	.1	.3												7	7	2		
66/ 65		.1	.1	.7	.5													11	11	3	4	
64/ 63			.4	.4	.5	.1		.1										12	12	5	3	
62/ 61		.9	.4	.5	.9	.1	.3											24	24	2	1	
60/ 59		.7	.8	.9	.7	.4		.1										27	27	16	6	
58/ 57		1.6	.8	.7	.7	.1	.1											30	30	21	9	
56/ 55		2.8	1.3	1.1	.9	.4												49	49	29	21	
54/ 53		1.6	2.3	1.7	.9	.3												51	51	41	27	
52/ 51		.8	2.4	1.9	1.5		.3											51	51	35	31	
50/ 49		1.6	2.3	1.5	.7	.3												47	47	45	25	
48/ 47	.3	1.9	1.3	1.1	.5	.3	.1											41	41	54	32	
46/ 45	.3	2.7	3.0	2.4	.7	.3												69	69	62	53	
44/ 43	.8	2.3	3.5	2.6	.5	.1												73	73	52	50	
42/ 41		2.4	4.2	2.4	.3													69	69	58	38	
40/ 39	.1	2.2	3.6	1.2	.3													55	55	73	53	
38/ 37	.3	1.7	2.7	1.2														44	44	77	59	
36/ 35	.3	1.1	1.5	1.6														33	33	59	53	
34/ 33		.3	2.0	.3														19	19	38	43	
32/ 31		.3	1.5	.5														17	17	28	77	
30/ 29		.5	.4															7	7	21	42	
28/ 27																				17	27	
26/ 25			.3															2	2	3	26	
24/ 23			.1															1	1	1	16	
22/ 21																				1	22	
20/ 19																				1	15	
18/ 17																					8	
14/ 13																					1	
12/ 11																					2	
TOTAL	2.0	25.7	35.8	22.8	9.8	2.7	.8	.4										744	744	744	744	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	4047839		53913		72.5		13.781		744		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F	
Dry Bulb	1712798		35092		47.2		8.807		744				3.4		1.5						93	
Wet Bulb	1438306		32098		43.1		8.487		744				9.0		.3						93	
Dew Point	1171193		28539		38.4		10.145		744				29.5								93	

USAFETAC FORM 71 JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

73-80

YEARS

OCT  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71				.1														1	1		
70/ 69			.1		.1													2	2		
68/ 67		.1	.3		.3													5	5	1	
66/ 65		.3	.1	.3	.4	.3	.1											11	11	3	3
64/ 63		.1		.4	.1	.1												6	6	5	3
62/ 61	.1	.5			.1	.1			.1									8	8	4	6
60/ 59		1.3	.3	.4				.1										16	16	9	2
58/ 57		1.5	.9	.5	.3		.1											25	25	17	6
56/ 55	.3	1.6	.7	.7	.3	.3	.1											29	29	23	15
54/ 53	.3	2.2	1.7	2.0	.4	.1												50	50	23	21
52/ 51		1.7	.7	.9	.9													32	32	31	28
50/ 49		2.2	2.0	1.3	.3	.1												50	50	36	22
48/ 47		4.0	1.7	1.2	.1	.1												54	54	35	31
46/ 45		3.0	2.4	1.5	.5													55	55	76	35
44/ 43		4.7	2.7	1.1	.1	.1												65	65	55	47
42/ 41	.1	4.8	3.1	.5	.1													65	65	60	56
40/ 39	.4	5.9	4.3	.8	.3													87	87	73	58
38/ 37	.5	1.9	2.0	.5														37	37	81	66
36/ 35		2.6	2.8	.4														43	43	47	59
34/ 33		2.6	2.6	.3														40	40	43	51
32/ 31		1.5	1.3	.4														24	24	48	65
30/ 29	.3	.9	1.3															19	19	31	31
28/ 27	.3	1.1	.8															16	16	19	34
26/ 25		.1																1	1	21	34
24/ 23			.1															1	1		20
22/ 21		.1	.1															2	2	1	20
20/ 19																				2	18
18/ 17																					9
16/ 15																					1
14/ 13																					1
12/ 11																					2
TOTAL	2.3	44.8	33.1	13.4	4.4	1.3	.4	.1	.1									744	744	744	
Element (X)	Σx <sup>1</sup>		Σx		Σ		Σ <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	4559701		57493		77.3		12.543		744		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	1532687		33095		44.5		9.026		744			7.9	1.0				93				
Wet Bulb	1329896		30796		41.4		8.617		744				15.3	.1			93				
Dew Point	1119525		27909		37.5		9.885		744			29.4					93				

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

73-80

YEARS

OCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
84/ 83												.1						3	3						
82/ 81							.0			.0	.0							4	4						
80/ 79					.0	.0				.0	.0							5	5						
78/ 77					.1	.0		.0	.0									11	11						
76/ 75				.0			.0	.1	.1									11	11						
74/ 73				.0	.1	.1	.1	.1	.1									29	29						
72/ 71			.2	.1	.1	.1	.2	.2	.0									45	45	4					
70/ 69			.2	.1	.1	.1	.2	.2	.0	.0								57	57	10					
68/ 67	.0	.1	.2	.1	.3	.3	.3	.1	.1									80	80	21	9				
66/ 65		.2	.3	.4	.3	.4	.3	.1	.1	.0	.0							127	127	22	23				
64/ 63	.1	.5	.3	.3	.5	.5	.2	.1	.1	.0								144	144	66	32				
62/ 61	.1	.5	.5	.6	.6	.3	.2		.0	.0								177	177	91	44				
60/ 59	.1	.7	.6	.7	.4	.5	.3	.2	.0									199	199	116	57				
58/ 57	.0	1.0	.8	.7	.5	.4	.2	.1	.0									224	224	165	72				
56/ 55	.1	1.4	.9	.8	.9	.7	.1	.1										291	291	237	151				
54/ 53	.1	1.0	1.6	1.0	.8	.4	.2	.1										301	301	266	137				
52/ 51	.1	1.4	1.4	1.2	.9	.5	.2											335	335	246	199				
50/ 49	.2	1.9	2.3	1.5	1.0	.7	.1											451	451	321	227				
48/ 47	.4	3.0	1.6	1.4	1.4	.2	.1											474	474	394	322				
46/ 45	.3	2.6	2.0	1.8	.9	.1												456	456	550	345				
44/ 43	.2	2.5	2.1	2.0	.4	.2												436	436	422	353				
42/ 41	.1	3.0	2.2	1.3	.5													419	419	481	364				
40/ 39	.5	2.7	2.3	.9	.3													400	400	557	438				
38/ 37	.3	2.6	1.4	.7	.1													308	308	483	439				
36/ 35	.3	2.6	1.5	.6	.0													302	302	373	392				
34/ 33	.2	2.1	1.3	.3														226	226	348	408				
32/ 31	.1	1.7	1.2	.2														194	194	277	572				
30/ 29	.1	.9	.6															94	94	223	323				
28/ 27	.1	.8	.3															69	69	120	269				
26/ 25	.1	.7	.2															54	54	94	251				
24/ 23	.1	.2	.1															17	17	44	137				
22/ 21		.1	.0															4	4	12	170				
20/ 19		.0																2	2	5	128				
18/ 17		.0																1	1	2	51				
Element (X)	Σx²		Σx		x̄		σx		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

YEARS

**OCT**  
**MONTH**

**PAGE 2**

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
16 / 15																					18	
14 / 13																					12	
12 / 11																					7	
TOTAL	3.3	34.0	26.0	16.8	10.1	5.3	2.5	1.2	.5	.1	.1	.1							5950		5950	
																		5950		5950		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PAGE 1

0000-0200  
HOURS (L, S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
62/ 61			.3																2	2				
60/ 59		.1																	1	1				
58/ 57		.3																	2	2	3			
56/ 55		1.0																	7	7	2 3			
54/ 53		.8	.1	.3															9	9	8 8			
52/ 51		.8	.1	.1															8	8	6 5			
50/ 49		2.1	.8																21	21	13 7			
48/ 47		1.9	.1	.4															18	18	17 14			
46/ 45		.4	.7	.1															9	9	17 13			
44/ 43	.1	2.9	1.5	.6															37	37	10 14			
42/ 41		3.5	.8	.3															33	33	25 13			
40/ 39	.3	2.1	1.0	.3		.1													27	27	44 21			
38/ 37	.7	5.4	1.4	.3	.1														57	57	30 39			
36/ 35	.4	4.3	1.0	.4	.3														46	46	54 23			
34/ 33	.7	4.6	3.2	.3															63	63	48 45			
32/ 31	1.4	5.4	3.3	.7															78	78	50 55			
30/ 29	.4	5.7	2.6	.3															65	65	70 33			
28/ 27	.6	4.4	.7																41	41	80 44			
26/ 25		5.6	.6																44	44	56 57			
24/ 23	.6	1.5	.3																17	17	43 30			
22/ 21	1.5	3.5																	36	36	28 68			
20/ 19	.1	3.3																	25	25	27 65			
18/ 17	.3	2.1																	17	17	24 33			
16/ 15	.1	2.4																	18	18	17 20			
14/ 13		1.7																	12	12	14 34			
12/ 11		.7																	5	5	11 16			
10/ 9	.3	.3																	4	4	4 20			
8/ 7																					1 9			
6/ 5		.3																	2	2	2 10			
4/ 3	.4	.4																	6	6	5			
2/ 1		.4																	3	3	2 6			
0/ -1	.1	.3																	3	3	3 1			
-2/ -3	.1																		1	1	3 1			
-4/ -5																					3			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature												Total			
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

0000-0200  
HOURS (i.e. 5-7.1)

**USAFETAC FORM 0-26-3 (OL A)** PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 57		.7																5	5					
56/ 55		1.0																7	7	8				
54/ 53		.7																5	5	7	9			
52/ 51		.7	.3	.1														8	8	2	7			
50/ 49		2.5	.4															21	21	14	5			
48/ 47		1.4	.4															13	13	14	17			
46/ 45		.7	.3															7	7	16	9			
44/ 43	.1	1.9	.8	.7														26	26	5	9			
42/ 41		4.0	.7	.3														36	36	21	14			
40/ 39	.1	4.0	.4	.1														34	34	44	11			
38/ 37	.7	3.2	1.4															38	38	33	46			
36/ 35	.1	5.8	.8	.1	.3													52	52	37	34			
34/ 33	1.8	4.6	1.9	.3														62	62	63	32			
32/ 31	1.0	5.8	2.5	.3														69	69	48	55			
30/ 29	.7	4.7	2.6															58	58	67	46			
28/ 27	1.0	4.9	.6															46	46	70	39			
26/ 25	.1	6.3	.6															50	50	51	47			
24/ 23	.3	3.1	.4															27	27	52	34			
22/ 21	1.7	3.1																34	34	40	65			
20/ 19	.7	4.3																36	36	18	56			
18/ 17	.4	3.2																26	26	41	41			
16/ 15	.3	1.8																15	15	21	21			
14/ 13	.3	1.1																10	10	6	44			
12/ 11	.6	.8																10	10	16	20			
10/ 9	.6																	4	4	5	13			
8/ 7	.1	.3																3	3	2	12			
6/ 5	.1																	1	1	2	12			
4/ 3	.3	.4																5	5	5	2			
2/ 1	.1	.3																3	3	2	5			
0/ -1	.1																	1	1	2	1			
-2/ -3	.3																	2	2	2				
-4/ -5	.4																	3	3	3	3			
-6/ -7	.3																	2	2	2	2			
-8/ -9	.1																	1	1	1	2			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Ref. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80

**YEARS**

NOV  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION N

**73-80**

YEARS

NOV

MONTH

PAGE 1

**0600-0800**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
58 / 57		.4																3	3					
56 / 55		1.0																7	7	6	1			
54 / 53	.1	.4	.1															5	5	6	8			
52 / 51	.1	1.4	.3															13	13	3	4			
50 / 49		1.4	.3	.1														13	13	14	9			
48 / 47		1.3	.7	.1														15	15	12	14			
46 / 45		1.1	.8															14	14	11	6			
44 / 43		2.2	.7	.4														24	24	17	11			
42 / 41		3.1	.8	.1														29	29	21	16			
40 / 39	.8	4.3	1.0	.1														45	45	43	16			
36 / 37	.4	3.8	.7															35	35	36	42			
36 / 35	.1	4.6	.6	.1														39	39	35	25			
34 / 33	1.7	5.0	2.9	.6														73	73	54	43			
32 / 31	1.1	5.6	2.5	.1														67	67	51	62			
30 / 29	.8	4.3	2.4															54	54	69	40			
28 / 27	2.1	3.2	.8															44	44	72	37			
26 / 25	.7	5.6	.3															47	47	38	52			
24 / 23	.4	3.6	.6															33	33	54	34			
22 / 21	2.4	3.1																39	39	44	56			
20 / 19	.6	3.9																32	32	26	57			
18 / 17	.6	2.6																23	23	26	38			
16 / 15	1.1	1.7																20	20	28	28			
14 / 13	.4	1.9																17	17	15	34			
12 / 11	.7	.1																6	6	16	27			
10 / 9	.3	.6																6	6	4	19			
8 / 7	.3																	2	2	4	12			
6 / 5																					7			
4 / 3	.3																	2	2	2	3			
2 / 1	.1	.1																2	2	1	4			
0 / -1	.3																	2	2	3	2			
-2 / -3																					1			
-6 / -7	.8																	6	6	6				
-8 / -9	.4																	3	3	3	3			
-10 / -11																					2			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

73-80

YEARS

NOV  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80  
YEARS

NOV  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
64/ 63				.1	.1													2	2			
62/ 61				.1	.1													2	2			
60/ 59		.7	.4	.3		.1												11	11			
58/ 57		.8	.3	.3	.1													11	11	7	3	
56/ 55		.3	.3	.4	.4													10	10	15	7	
54/ 53		.7	.4	.6			.1											13	13	3	6	
52/ 51		1.5	1.4	.6	.4													28	28	13	13	
50/ 49		.7	.6	.6	.1													14	14	22	10	
48/ 47		1.8	1.0	1.3	.3													31	31	18	16	
46/ 45		1.8	1.0	.7	.3													27	27	25	10	
44/ 43		1.4	1.7	.7	.3													29	29	28	24	
42/ 41		2.5	1.9	1.3	.1													42	42	31	26	
40/ 39	.7	1.5	2.6	.7	.6													44	44	41	22	
38/ 37	.1	2.4	1.9	2.1														47	47	37	31	
36/ 35		4.3	3.2	1.1														62	62	43	27	
34/ 33	1.5	3.2	4.4	.3														68	68	70	51	
32/ 31	.4	5.3	3.2	.7														69	69	67	55	
30/ 29	.4	2.5	3.3	.4														48	48	77	52	
28/ 27	.1	3.3	1.9	.1														40	40	43	38	
26/ 25	.1	2.5	1.3															28	28	50	48	
24/ 23	.4	1.0	1.1															18	18	38	45	
22/ 21	.3	2.5	.7															25	25	19	55	
20/ 19	.6	2.1																19	19	29	40	
18/ 17	.1	1.0																8	8	16	32	
16/ 15	.1	.8																7	7	7	30	
14/ 13	.3																	2	2	6	21	
12/ 11																					23	
10/ 9		.1																1	1		16	
8/ 7		.1																1	1	1	4	
6/ 5		.1																1	1	1		
4/ 3	.1	.6																5	5	3		
2/ 1		.1																1	1	3	3	
0/ -1	.4																	3	3	4		
-2/ -3	.3																	2	2	2		
Element (X)	Σ X <sup>2</sup>		Σ X		X	Σ X		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

YEARS

**NOV**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

726450  
STATION

AUSTIN STRAUBEL WI  
STATION N

**73-80**

NOV  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B.-W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point		
68/ 67				.3	.3	.1												5	5				
66/ 65			.1		.4		.1											5	5				
64/ 63				.4	.6													7	7				
62/ 61			.6		.4	.3	.4											12	12	3			
60/ 59		.7	.1	.4	.4	1.0												19	19	3			
58/ 57		.7	.1	.4	.4	.1												13	13	16			
56/ 55		.8	.6	.8	.3	.6	.3	.1	.1	.1								27	27	14			
54/ 53		.8		.4	.4	.3												14	14	13			
52/ 51		.6	.8	.3	.6	.3												18	18	20			
50/ 49	.1	1.0		1.3	.7	.6												26	26	24			
48/ 47		1.7		1.0	1.8	.4												35	35	15			
46/ 45		1.4	.8	1.4	1.0	.4												36	36	27			
44/ 43		1.4	.8	2.2	1.3	.4												44	44	25			
42/ 41		1.0	1.0	1.7	.8	.1												33	33	35			
40/ 39	1.1	1.7	2.2	2.4	1.0													60	60	54			
38/ 37	.7	1.9	2.4	1.9	.8													56	56	53			
36/ 35	.3	2.4	5.3	1.9	.3													73	73	54			
34/ 33	.3	1.4	3.8	1.3	.1													49	49	61			
32/ 31	.4	1.9	2.2	1.4	.6													47	47	69			
30/ 29	.3	1.1	1.9	1.4														34	34	69			
28/ 27	.3	1.9	1.4	.8														32	32	25			
26/ 25	.4	.8	1.9															23	23	51			
24/ 23		.6	.7															9	9	24			
22/ 21	.4	.8	1.1															17	17	25			
20/ 19	.3	.8	.3															10	10	16			
18/ 17		.1																1	1	8			
16/ 15																				1			
14/ 13		.1																1	1	24			
12/ 11		.8																6	6	1			
10/ 9																				6			
8/ 7		.4																3	3	1			
6/ 5		.7																5	5	2			
4/ 3																				5			
2/ 1																				1			
Element (X)	Σ x²		Σ x		x̄		σ²		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

**YEARS**

NOV  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

YEARS

NOV  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

HOURS (L. S. T.)

USAFETAC FORM JUN 71 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

**1800-2000**  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

Y E A R S

PAGE 2

2100-2300  
HOURS (L. S. T.)

USAFETAC FORM JUN 71 0-26: (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI

**73-80**

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MONTH

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ALL

HOURS 14. 5. 7. 1

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 STATION AUSTIN STRAUBEL WI

73-80

YEARS

DEC  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
50/ 49		.1																1	1					
48/ 47		.3																2	2	1	1			
46/ 45		.3	.1															3	3	3	1			
44/ 43																				1	3			
42/ 41		.3	.3															2	2	2				
40/ 39	.3	.5	.7															11	11	4	1			
38/ 37	.1	.4																4	4	4	6			
36/ 35	1.1	2.4	.5															30	30	20	11			
34/ 33	1.1	4.4	.1	.1														43	43	31	12			
32/ 31	1.1	5.0	.1															46	46	43	46			
30/ 29	.7	3.5	.7	.1														37	37	41	28			
28/ 27	1.3	4.7	.4	.1														49	49	46	24			
26/ 25	.5	5.8	.8															53	53	44	40			
24/ 23	.7	5.5	.1															47	47	63	33			
22/ 21	1.7	5.8	.3															58	58	63	32			
20/ 19	1.9	5.0																51	51	42	46			
18/ 17	.8	4.2	.5															41	41	50	66			
16/ 15	1.7	3.5	.3															41	41	35	47			
14/ 13	1.3	3.2																34	34	46	41			
12/ 11	1.2	1.7																22	22	26	39			
10/ 9	.3	2.2																18	18	17	48			
8/ 7	1.5	2.0																26	26	29	24			
6/ 5	.9	.9																14	14	20	19			
4/ 3	1.6	2.4																30	30	27	28			
2/ 1	1.7	1.2																22	22	22	21			
0/ -1	.4	.9																10	10	9	17			
-2/ -3	.8	.9																13	13	18	26			
-4/ -5	.9	.5																11	11	8	8			
-6/ -7	1.1	.1																9	9	12	8			
-8/ -9	1.1																	8	8	9	11			
-10/-11																					5			
-12/-13	.5																	4	4	4	7			
-14/-15	.3																	2	2	2	14			
-16/-17	.3																	2	2	2	8			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

**PAGE 2**

0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point		
52/ 51		.3																2	2	1			
50/ 49		.1																1	1	1	1		
48/ 47		.4																3	3	1	2		
46/ 45																				3	2		
44/ 43																					1		
40/ 39	.1	.4	.3															6	6	1			
38/ 37	.4	1.1	.1	.1														13	13	7	4		
36/ 35	1.5	1.9																25	25	26	15		
34/ 33	1.3	3.4	.4															38	38	26	14		
32/ 31	1.3	4.6	.3															46	46	40	40		
30/ 29	1.7	2.7	.8															39	39	46	30		
28/ 27	.8	3.5	.1															33	33	26	29		
26/ 25	.1	6.3	.4															51	51	39	25		
24/ 23	.4	4.8	.8															45	45	59	24		
22/ 21	2.7	3.9	.5															53	53	54	34		
20/ 19	1.9	4.6	.3															50	50	44	63		
18/ 17	2.0	4.6	.8															55	55	59	48		
16/ 15	1.2	3.9																38	38	40	38		
14/ 13	2.7	3.2																44	44	51	38		
12/ 11	1.5	1.9																25	25	34	53		
10/ 9	1.9	2.8																35	35	30	38		
8/ 7	.8	.9																13	13	25	39		
6/ 5	.7	.9																12	12	12	28		
4/ 3	1.5	.8																17	17	17	27		
2/ 1	1.2	2.0																24	24	20	25		
0/ -1	1.9																	14	14	20	13		
-2/ -3	.7	.9																12	12	8	16		
-4/ -5	1.2	.4																12	12	15	16		
-6/ -7	1.2	.3																11	11	12	9		
-8/ -9	.9																	7	7	7	10		
-10/-11	1.2																	9	9	9	7		
-12/-13	.7																	5	5	5	6		
-14/-15	.4																	3	3	3	7		
-16/-17	.4																	3	3	3	10		
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NA

**73-80**

YEARS

DEC

**MONTH**

PAGE 2

0300-0500  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
54/ 53		.4																3	3				
52/ 51																				3	2		
50/ 49																					1		
48/ 47		.3																2	2				
46/ 45		.1																1	1	2			
44/ 43		.1																1	1	1	3		
42/ 41		.4																3	3	3			
40/ 39		.3																2	2	2	4		
38/ 37	.4	1.5	.1															15	15	4	3		
36/ 35	1.7	1.9	.4															30	30	31	13		
34/ 33	1.2	3.4																34	34	29	23		
32/ 31	1.2	3.8	.5	.1														42	42	32	33		
30/ 29	1.6	2.4	.8															36	36	39	34		
28/ 27	.9	6.0																52	52	27	25		
26/ 25	.3	5.6	.1															45	45	55	15		
24/ 23	.3	3.2	.1															27	27	54	15		
22/ 21	2.0	3.9	.8															50	50	41	45		
20/ 19	2.3	3.4	.5															46	46	42	68		
18/ 17	1.3	4.2	.4															44	44	41	50		
16/ 15	1.6	4.4	.3															47	47	46	33		
14/ 13	2.6	5.2																58	58	57	27		
12/ 11	1.6	2.3	.1															30	30	45	51		
10/ 9	1.6	1.9																26	26	33	47		
8/ 7	.7	1.2																14	14	17	37		
6/ 5	1.1	.7																13	13	15	25		
4/ 3	1.3	.9																17	17	13	28		
2/ 1	.5	.5																8	8	10	29		
0/ -1	2.0																	15	15	19	16		
-2/ -3	2.4	.1																19	19	18	11		
-4/ -5	1.5	.7																16	16	12	8		
-6/ -7	1.2																	9	9	14	8		
-8/ -9	2.4																	18	18	18	17		
-10/ -11	.9																	7	7	7	13		
-12/ -13	.7																	5	5	5	5		
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Ref. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

9477-54321

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**726450**  
**STATION**

AUSTIN STRAUBEL WI  
STATION NAME

73-80

YEARS

**DEC**  
**MONTH**

**PAGE 2**

0900-1100  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/ 49		.3	.1															3	3						
48/ 47		.1	.3	.1	.1													5	5	2					
46/ 45				.1														1	1	2	2				
44/ 43		.3	.3		.4	.1												8	8	2	1				
42/ 41		.1	.1	.7	.1	.1												9	9	4	2				
40/ 39	.1	.8	.8	.5	.3													19	19	6	2				
38/ 37	.8	2.6	1.5	.8														42	42	21	9				
36/ 35	1.2	2.6	2.8	.4														52	52	41	24				
34/ 33	.8	4.3	2.8	.4														62	62	52	21				
32/ 31	1.1	5.0	2.3	.5														66	66	72	43				
30/ 29	.1	5.9	1.6	.4														60	60	64	40				
28/ 27	.3	3.5	1.5	.4														42	42	53	43				
26/ 25	.3	3.8	1.5	.1														42	42	41	64				
24/ 23	.3	2.8	2.2	.3														41	41	52	31				
22/ 21	.5	2.6	1.7	.1														37	37	38	35				
20/ 19	.5	5.4	1.2	.1														54	54	47	46				
18/ 17	.7	3.2	.7															34	34	49	46				
16/ 15		4.2	1.3															41	41	36	41				
14/ 13	.3	2.0	.3															19	19	34	30				
12/ 11	.1	1.9	.5															19	19	21	26				
10/ 9	.1	1.7	.1															15	15	18	51				
8/ 7		1.6	.1															13	13	17	31				
6/ 5		2.3																17	17	14	16				
4/ 3		2.4																18	18	17	14				
2/ 1		1.7																13	13	20	22				
0/ -1	.7	.1																6	6	14	11				
-2/ -3		.1																1	1	1	14				
-4/ -5																				1	15				
-6/ -7	.3																	2	2	2	14				
-8/ -9	.4																	3	3	3	11				
-10/-11																					13				
-12/-13																					4				
-14/-15																					11				
-16/-17																					5				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI

**73-80**

DEC

**PAGE 2**

1200-1400  
HOURS (L. & T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-18/-19																						2										
-20/-21																						4										
TOTAL	8.6	61.3	23.8	5.1	.9	.3													744	744	744	744										
															</																	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

73-80

YEARS

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL: D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
50/ 49		.3	.1															3	3	
48/ 47		.3																2	2	2
46/ 45			.4															3	3	3
44/ 43		.1			.4	.1												5	5	1
42/ 41			.3	.5	.3													8	8	1
40/ 39		.4	1.1	.3														13	13	2
38/ 37	.7	1.3	1.1	.5	.1													28	28	5
36/ 35	2.0	2.0	2.0	.1														46	46	21
34/ 33	1.2	6.0	2.2	.4														73	73	14
32/ 31	1.5	6.0	2.4	.1														75	75	51
30/ 29	.1	5.0	1.7	.4														54	54	41
28/ 27		3.8	1.7	.1														42	42	49
26/ 25		5.4	1.7															53	53	60
24/ 23		2.8	.9	.1														29	29	27
22/ 21	.8	3.1	1.9															43	43	28
20/ 19	.4	4.6	1.9															51	51	60
18/ 17	.7	4.8	.7															46	46	43
16/ 15	.3	4.0	.9															39	39	35
14/ 13	.1	2.3	.4															21	21	35
12/ 11		2.6	.4															22	22	35
10/ 9	.1	1.3	.4															14	14	44
8/ 7		2.3	.3															19	19	30
6/ 5		1.7																13	13	16
4/ 3		2.6																19	19	15
2/ 1	.1	.9																8	8	24
0/ -1	.4	.5																7	7	12
-2/ -3		.4																3	3	13
-4/ -5		.1																1	1	20
-6/ -7	.3	.1																3	3	11
-8/ -9																				11
-10/-11	.1																	1	1	13
-12/-13																				4
-14/-15																				4
-16/-17																				8
Element (X)	Σ X'		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-80

YEARS

DEC  
MONTH

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450 AUSTIN STRAUBEL WI  
STATION STATION NAME

73-80  
YEARS

DEC  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
50/ 49		.1																1	1		
48/ 47																				1	
46/ 45			.3															2	2		1
44/ 43		.1	.1															2	2		
42/ 41		.1																1	1	4	
40/ 39	.1	.3	.8															9	9	3	4
38/ 37	.1	1.1	.3	.1														12	12	9	3
36/ 35	1.6	1.9	1.5															37	37	20	20
34/ 33	1.1	6.6	.9															64	64	36	13
32/ 31	1.2	6.3	.8															62	62	73	44
30/ 29	.8	4.4	1.2															48	48	51	41
28/ 27	.3	7.4	1.1															65	65	46	43
26/ 25	.4	3.8	.7															36	36	65	44
24/ 23		4.4	.5															37	37	41	31
22/ 21	1.6	3.1	1.5															46	46	49	51
20/ 19	.9	5.2	.4															49	49	35	38
18/ 17	1.1	4.4	.5															45	45	54	47
16/ 15	.9	3.5	.8															39	39	38	39
14/ 13	.4	3.4	.3															30	30	34	47
12/ 11	.4	3.0	.3															27	27	33	39
10/ 9	.5	2.4																22	22	27	23
8/ 7	.1	2.0																16	16	21	24
6/ 5	.4	2.0																18	18	23	23
4/ 3	.4	3.1																26	26	19	23
2/ 1	.4	1.6																15	15	18	24
0/ -1	.7	.5																9	9	15	16
-2/ -3	1.1	.3																10	10	12	21
-4/ -5	.3	.1																3	3	4	15
-6/ -7	.5	.4																7	7	5	10
-8/ -9	.3																	2	2	4	7
-10/-11	.1																	1	1	1	18
-12/-13	.3																	2	2	2	8
-14/-15	.1																	1	1	1	5
-16/-17																					7
Element (X)	Σ x'		Σ x		x̄		σ <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature							Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

**1800-2000**  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-18/-19																					4
-20/-21																					6
-22/-23																					2
-24/-25																					1
-26/-27																					2
TOTAL	16.3	71.6	12.0	.1															744	744	744
							</														

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

726450      AUSTIN STRAUBEL WI  
STATION      STATION NAME

73-80

YEARS

DEC  
MONTH

PAGE 1      2100-2300  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
46/ 45		.1																1	1	1		
44/ 43		.3																2	2			1
42/ 41		.5																4	4	2		1
40/ 39		.7	.5															9	9	7		
36/ 37	.5	.5	.5	.1														13	13	6		9
36/ 35	1.5	1.2	.9															27	27	22		15
34/ 33	.9	5.6	.4	.1														53	53	29		10
32/ 31	1.5	5.1	1.2															58	58	61		44
30/ 29	.5	4.2	.5															39	39	40		34
26/ 27	.7	5.6	.7															52	52	49		35
26/ 25	1.1	6.9																59	59	58		34
24/ 23	.3	5.4	.1															43	43	58		41
22/ 21	1.9	4.4	.3															49	49	55		47
20/ 19	.7	5.0	.9															49	49	34		50
18/ 17	1.7	2.4	.1															32	32	48		53
16/ 15	1.3	3.4	.7															40	40	36		52
14/ 13	.9	3.1																30	30	37		41
12/ 11	.9	1.7																20	20	26		30
10/ 9	1.1	2.3	.1															26	26	26		21
8/ 7	.4	2.7																23	23	20		32
6/ 5	.8	1.6																18	18	25		18
4/ 3	1.3	3.2																34	34	29		18
2/ 1	.5	2.0																19	19	26		27
0/ -1	.8	1.2																15	15	11		29
-2/ -3	.3	1.1																10	10	17		17
-4/ -5	.8	.3																8	8	8		6
-6/ -7	.1	.1																2	2	3		12
-8/ -9	.4																	3	3	4		9
-10/ -11																						13
-12/ -13	.7																	5	5	5		12
-14/ -15	.1																	1	1	1		14
-16/ -17																						5
-18/ -19																						4
-20/ -21																						4
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

YEARS

DEC  
MONIN

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

726450

AUSTIN STRAUBEL WI

**73-80**

DEC

**STATION**

STATION NAME

YEARS

**MONTH**

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

**73-80**

YEARS

DEC

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

ALL  
MONTH

ALL

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. - W.B.	TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point									
98/ 97										.0	.0	.0						8	8										
96/ 95								.0		.0	.0							14	14										
94/ 93							.0	.0	.0	.0	.0			.0	.0			23	23										
92/ 91						.0	.0	.0	.0	.0	.0	.0	.0	.0				51	51										
90/ 89					.0	.0	.0	.0	.0	.0	.0	.0	.0					115	115										
88/ 87					.0	.0	.1	.1	.1	.1	.0	.0	.0	.0				237	237										
86/ 85				.0	.0	.1	.1	.1	.1	.0	.0	.0	.0					331	331										
84/ 83		.0	.0	.0	.1	.2	.1	.1	.1	.1	.0	.0	.0					575	575										
82/ 81		.0	.0	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0					764	764	9									
80/ 79		.0	.0	.1	.2	.3	.2	.2	.2	.1	.0	.0	.0					923	923	45	3								
78/ 77		.0	.1	.2	.3	.3	.3	.2	.1	.1	.0	.0						1063	1063	158	28								
76/ 75	.0	.0	.1	.3	.4	.3	.2	.2	.1	.0	.0	.0						1212	1212	311	77								
74/ 73	.0	.1	.3	.4	.3	.3	.2	.2	.1	.0	.0							1394	1394	700	174								
72/ 71	.0	.2	.5	.5	.3	.3	.3	.2	.1	.0	.0							1664	1664	891	411								
70/ 69	.0	.4	.7	.4	.4	.3	.3	.2	.0	.0	.0							1855	1855	1393	775								
68/ 67	.1	.6	.7	.4	.5	.3	.3	.1	.0	.0								2121	2121	1921	1214								
66/ 65	.1	.8	.7	.6	.4	.3	.2	.1	.0	.0	.0							2333	2333	2195	1510								
64/ 63	.1	1.1	.6	.6	.4	.3	.1	.1	.0	.0								2358	2358	2530	1933								
62/ 61	.1	.9	.6	.6	.4	.2	.1	.1	.0	.0								2213	2213	2459	2087								
60/ 59	.1	1.0	.9	.5	.3	.2	.2	.1	.0									2298	2298	2670	2203								
58/ 57	.1	1.0	.7	.5	.3	.2	.2	.0	.0									2068	2068	2671	2178								
56/ 55	.1	1.0	.8	.5	.4	.2	.1	.0	.0	.0								2146	2146	2585	2384								
54/ 53	.0	.8	.8	.5	.3	.2	.1	.0	.0									1965	1965	2298	2445								
52/ 51	.0	.9	.8	.4	.3	.2	.0	.0	.0									1897	1897	2017	2249								
50/ 49	.1	.8	.9	.5	.3	.2	.0											1977	1977	2148	2255								
48/ 47	.1	1.0	.6	.5	.3	.1	.0	.0										1847	1847	2219	2374								
46/ 45	.1	.9	.7	.5	.3	.1	.0	.0										1726	1726	2252	2120								
44/ 43	.0	.9	.7	.6	.2	.1	.0											1781	1781	1897	1916								
42/ 41	.0	1.0	.8	.5	.2	.0												1805	1805	1840	1827								
40/ 39	.2	1.0	.9	.4	.1	.0												1882	1882	2101	1848								
38/ 37	.2	1.4	.8	.4	.1	.0												1995	1996	2214	2043								
36/ 35	.3	1.6	1.1	.3	.1	.0												2432	2432	2330	2087								
34/ 33	.5	2.0	1.1	.3	.0													2697	2697	2646	2231								
32/ 31	.4	2.1	1.3	.3	.0													2900	2900	2848	3162								
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ <sub>n</sub>			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																													
Wet Bulb																													
Dew Point																													

## PSYCHROMETRIC SUMMARY

726450  
STATION

AUSTIN STRAUBEL WI  
STATION NAME

73-81

**YEARS**

**ALL**  
**MONTH**

**PAGE 2**

**ALL**  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
30/ 29	.3	1.5	1.0	.1	.0													2051	2051	2781	2470					
28/ 27	.3	1.7	.6	.1														1872	1872	2251	2300					
26/ 25	.2	1.5	.6	.0														1628	1628	2131	2420					
24/ 23	.1	1.1	.4	.0														1176	1176	1795	1609					
22/ 21	.4	1.3	.4	.0														1533	1533	1628	2029					
20/ 19	.4	1.5	.3	.0														1499	1499	1376	2256					
18/ 17	.2	1.2	.2	.0														1189	1190	1403	1711					
16/ 15	.3	1.2	.1															1148	1148	1212	1526					
14/ 13	.3	1.1	.1															991	991	1099	1385					
12/ 11	.3	.9	.1															922	922	1019	1340					
10/ 9	.2	.9	.0															827	827	935	1212					
8/ 7	.2	.8	.0															686	686	828	1057					
6/ 5	.1	.6																533	533	697	710					
4/ 3	.2	.8																686	686	651	745					
2/ 1	.2	.7																643	643	672	921					
0/ -1	.5	.2																464	464	560	683					
-2/ -3	.3	.3																358	358	403	612					
-4/ -5	.3	.2																324	324	333	611					
-6/ -7	.3	.1																244	244	303	434					
-8/ -9	.3																	210	210	229	460					
-10/-11	.2																	133	133	133	387					
-12/-13	.1																	81	81	81	242					
-14/-15	.1																	84	84	84	301					
-16/-17	.1																	70	70	70	289					
-18/-19	.0																	29	29	29	308					
-20/-21	.0																	11	11	11	175					
-22/-23	.0																	4	4	4	108					
-24/-25	.0																	2	2	2	115					
-26/-27	.0																	1	1	1	66					
-28/-29																					38					
-30/-31																					8					
-32/-33																					4					
-34/-35																					3					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

## PSYCHROMETRIC SUMMARY

ALL

MONTH

ALL

**ALL**  
**HOURS (1 - 5 - 7 -)**

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726450 AUSTIN STRAUBEL WI

73-81

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
5-02	MEAN	12.2	16.4	26.9	38.7	49.2	57.7	63.5	61.1	52.9	42.7	31.8	19.3	39.5											
	S D	14.1181	13.2041	10.530	9.233	9.208	7.367	6.604	6.331	8.756	9.0631	10.8661	12.059	19.930											
	TOTAL OBS	736	678	744	720	744	720	744	744	720	744	720	744	8758											
5-05	MEAN	11.2	15.2	25.6	37.2	47.2	55.9	61.7	59.4	51.5	41.5	30.8	18.4	38.1											
	S D	14.6711	13.6431	11.307	9.205	9.158	7.543	6.735	6.978	9.136	9.3071	11.0311	12.501	19.859											
	TOTAL OBS	742	676	744	720	744	720	744	744	720	744	720	744	8762											
6-03	MEAN	10.4	14.4	25.8	39.3	52.5	61.5	67.0	63.3	53.6	42.4	30.5	17.9	40.0											
	S D	14.8501	13.6711	11.819	9.309	9.714	7.293	6.563	6.420	8.803	9.1191	11.1131	13.108	21.793											
	TOTAL OBS	738	678	744	720	744	720	744	744	720	743	720	744	8759											
5-11	MEAN	13.2	19.0	31.2	46.4	60.9	69.1	75.2	71.2	62.3	50.3	35.7	21.0	46.4											
	S D	13.6021	12.3291	10.9681	11.0331	10.727	7.927	6.917	6.002	8.190	9.1401	11.0631	12.166	23.326											
	TOTAL OBS	737	678	744	720	744	719	744	744	719	744	720	744	8757											
1-14	MEAN	17.7	23.8	35.5	50.7	64.9	72.7	79.3	75.2	66.4	54.7	39.4	24.7	50.6											
	S D	11.8301	11.0731	10.4561	12.0881	11.186	8.353	7.093	6.412	8.907	9.9711	11.3791	10.873	23.151											
	TOTAL OBS	736	678	744	720	744	720	744	744	720	743	720	744	8757											
5-17	MEAN	17.9	24.4	36.1	51.1	64.8	72.9	79.3	75.5	66.1	53.5	38.0	24.1	50.4											
	S D	11.4581	10.568	9.8071	12.1811	11.062	8.313	7.135	6.266	9.001	9.8171	11.2031	10.592	23.067											
	TOTAL OBS	736	678	744	720	744	720	744	744	720	744	720	744	8758											
1-20	MEAN	14.9	20.3	31.8	45.5	58.6	67.6	73.4	69.4	58.9	47.2	34.1	21.4	45.4											
	S D	12.5661	11.248	9.2611	10.8701	10.146	7.974	7.024	6.077	8.454	8.8071	10.5591	11.226	21.955											
	TOTAL OBS	743	678	744	720	744	720	744	741	720	744	720	744	8762											
1-23	MEAN	13.5	18.2	29.1	41.1	52.4	60.8	66.5	63.7	54.7	44.5	32.3	20.3	41.5											
	S D	13.3251	12.286	9.598	9.570	9.091	7.209	6.332	5.766	8.463	9.0261	10.7051	11.567	20.248											
	TOTAL OBS	739	678	744	720	744	720	744	741	720	744	720	744	8758											
ALL HOURS	MEAN	13.9	19.0	30.2	43.7	56.3	64.7	70.7	67.3	58.3	47.1	34.1	20.9	44.0											
	S D	13.6031	12.7851	11.1841	11.6691	11.969	9.948	9.419	8.6221	10.3661	10.4731	11.4181	12.007	22.192											
	TOTAL OBS	5907	5422	5952	5760	5952	5759	5952	5946	5759	5950	5760	5952	70071											

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CLIMATOLOGY BRANCH  
AFETAC  
WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

720457 AUSTIN STRAUBEL WI

73-81

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN 11.3 S D 13.722 TOTAL OBS 736	MEAN 15.3 S D 12.665 TOTAL OBS 678	MEAN 25.2 S D 10.242 TOTAL OBS 744	MEAN 35.7 S D 8.764 TOTAL OBS 720	MEAN 45.3 S D 9.178 TOTAL OBS 744	MEAN 54.3 S D 7.299 TOTAL OBS 720	MEAN 60.1 S D 6.414 TOTAL OBS 744	MEAN 58.8 S D 6.426 TOTAL OBS 744	MEAN 50.8 S D 8.543 TOTAL OBS 720	MEAN 40.2 S D 8.712 TOTAL OBS 744	MEAN 30.0 S D 10.530 TOTAL OBS 720	MEAN 18.3 S D 11.761 TOTAL OBS 744	MEAN 37.2 S D 19.133 TOTAL OBS 8758
3-5	MEAN 10.4 S D 14.267 TOTAL OBS 741	MEAN 14.2 S D 13.058 TOTAL OBS 676	MEAN 24.1 S D 10.985 TOTAL OBS 744	MEAN 34.6 S D 8.777 TOTAL OBS 720	MEAN 44.1 S D 9.187 TOTAL OBS 744	MEAN 53.1 S D 7.449 TOTAL OBS 720	MEAN 59.0 S D 6.559 TOTAL OBS 744	MEAN 57.6 S D 6.984 TOTAL OBS 744	MEAN 49.7 S D 8.916 TOTAL OBS 720	MEAN 39.3 S D 9.021 TOTAL OBS 744	MEAN 29.2 S D 10.686 TOTAL OBS 720	MEAN 17.5 S D 12.197 TOTAL OBS 744	MEAN 36.2 S D 19.218 TOTAL OBS 8761
6-08	MEAN 9.6 S D 14.430 TOTAL OBS 738	MEAN 13.4 S D 13.162 TOTAL OBS 678	MEAN 24.3 S D 11.400 TOTAL OBS 744	MEAN 36.2 S D 8.766 TOTAL OBS 720	MEAN 47.9 S D 9.238 TOTAL OBS 744	MEAN 57.1 S D 6.931 TOTAL OBS 720	MEAN 62.7 S D 5.973 TOTAL OBS 744	MEAN 60.5 S D 6.187 TOTAL OBS 744	MEAN 51.3 S D 8.480 TOTAL OBS 720	MEAN 40.0 S D 8.887 TOTAL OBS 743	MEAN 29.0 S D 10.756 TOTAL OBS 720	MEAN 17.0 S D 12.778 TOTAL OBS 744	MEAN 37.6 S D 20.600 TOTAL OBS 8759
9-11	MEAN 12.1 S D 13.205 TOTAL OBS 737	MEAN 17.3 S D 11.765 TOTAL OBS 678	MEAN 28.5 S D 10.342 TOTAL OBS 744	MEAN 41.0 S D 9.333 TOTAL OBS 720	MEAN 52.7 S D 9.431 TOTAL OBS 744	MEAN 61.1 S D 6.918 TOTAL OBS 719	MEAN 66.5 S D 5.736 TOTAL OBS 744	MEAN 64.7 S D 5.199 TOTAL OBS 744	MEAN 56.5 S D 7.456 TOTAL OBS 719	MEAN 45.3 S D 8.494 TOTAL OBS 744	MEAN 32.9 S D 10.472 TOTAL OBS 720	MEAN 19.7 S D 11.827 TOTAL OBS 744	MEAN 41.7 S D 20.714 TOTAL OBS 8757
12-14	MEAN 15.9 S D 11.485 TOTAL OBS 736	MEAN 21.3 S D 10.399 TOTAL OBS 678	MEAN 31.6 S D 9.494 TOTAL OBS 744	MEAN 43.6 S D 9.568 TOTAL OBS 720	MEAN 54.5 S D 9.282 TOTAL OBS 744	MEAN 62.4 S D 6.801 TOTAL OBS 720	MEAN 67.8 S D 5.712 TOTAL OBS 744	MEAN 66.0 S D 5.365 TOTAL OBS 744	MEAN 58.0 S D 7.573 TOTAL OBS 720	MEAN 47.5 S D 8.701 TOTAL OBS 743	MEAN 35.3 S D 10.436 TOTAL OBS 720	MEAN 22.6 S D 10.514 TOTAL OBS 744	MEAN 44.0 S D 19.710 TOTAL OBS 8757
15-17	MEAN 16.1 S D 11.200 TOTAL OBS 736	MEAN 21.7 S D 9.951 TOTAL OBS 678	MEAN 31.9 S D 8.872 TOTAL OBS 744	MEAN 43.5 S D 9.444 TOTAL OBS 720	MEAN 54.3 S D 9.091 TOTAL OBS 744	MEAN 62.1 S D 6.622 TOTAL OBS 720	MEAN 67.6 S D 5.577 TOTAL OBS 744	MEAN 65.9 S D 5.257 TOTAL OBS 744	MEAN 57.7 S D 7.750 TOTAL OBS 720	MEAN 46.7 S D 8.587 TOTAL OBS 744	MEAN 34.3 S D 10.452 TOTAL OBS 720	MEAN 22.2 S D 10.348 TOTAL OBS 744	MEAN 43.8 S D 19.536 TOTAL OBS 8758
18-20	MEAN 13.7 S D 12.299 TOTAL OBS 743	MEAN 18.5 S D 10.806 TOTAL OBS 678	MEAN 29.0 S D 8.733 TOTAL OBS 744	MEAN 40.3 S D 9.323 TOTAL OBS 720	MEAN 51.0 S D 9.088 TOTAL OBS 744	MEAN 59.8 S D 6.822 TOTAL OBS 720	MEAN 65.3 S D 5.860 TOTAL OBS 744	MEAN 63.5 S D 5.505 TOTAL OBS 741	MEAN 54.2 S D 8.015 TOTAL OBS 720	MEAN 43.1 S D 8.487 TOTAL OBS 744	MEAN 31.6 S D 10.221 TOTAL OBS 720	MEAN 20.0 S D 11.019 TOTAL OBS 744	MEAN 40.9 S D 19.657 TOTAL OBS 8762
21-23	MEAN 12.4 S D 13.020 TOTAL OBS 739	MEAN 16.8 S D 11.830 TOTAL OBS 678	MEAN 27.0 S D 9.179 TOTAL OBS 744	MEAN 37.4 S D 8.846 TOTAL OBS 720	MEAN 47.5 S D 9.001 TOTAL OBS 744	MEAN 56.1 S D 7.045 TOTAL OBS 720	MEAN 61.9 S D 6.083 TOTAL OBS 744	MEAN 60.4 S D 5.814 TOTAL OBS 741	MEAN 51.9 S D 8.270 TOTAL OBS 719	MEAN 41.4 S D 8.617 TOTAL OBS 744	MEAN 30.2 S D 10.419 TOTAL OBS 720	MEAN 19.1 S D 11.326 TOTAL OBS 744	MEAN 38.6 S D 19.114 TOTAL OBS 8757
ALL HOURS	MEAN 12.7 S D 13.187 TOTAL OBS 5906	MEAN 17.3 S D 12.100 TOTAL OBS 5422	MEAN 27.7 S D 10.347 TOTAL OBS 5952	MEAN 39.0 S D 9.682 TOTAL OBS 5760	MEAN 49.7 S D 9.921 TOTAL OBS 5952	MEAN 58.3 S D 7.750 TOTAL OBS 5759	MEAN 63.9 S D 6.788 TOTAL OBS 5952	MEAN 62.2 S D 6.623 TOTAL OBS 5946	MEAN 53.7 S D 8.696 TOTAL OBS 5758	MEAN 42.9 S D 9.195 TOTAL OBS 5950	MEAN 31.6 S D 10.724 TOTAL OBS 5760	MEAN 19.6 S D 11.647 TOTAL OBS 5952	MEAN 40.0 S D 19.920 TOTAL OBS 70069

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

726450 AUSTIN STRAUBEL WI

73-81

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-03	MEAN	5.1	9.9	20.7	31.0	40.9	51.5	57.9	57.2	49.0	36.8	26.1	13.6	33.4	
	S D	16.437	14.713	12.086	10.141	10.879	8.201	7.026	7.046	9.120	9.799	11.941	13.923	20.988	
	TOTAL OBS	736	678	744	720	744	720	744	744	720	744	720	744	8758	
03-06	MEAN	4.5	9.1	20.0	30.4	40.3	50.9	57.2	56.4	48.1	36.2	25.6	13.0	32.8	
	S D	16.823	14.796	12.643	10.063	10.670	8.138	7.017	7.352	9.370	10.064	11.946	14.249	21.064	
	TOTAL OBS	741	676	744	720	744	720	744	744	720	744	720	744	8761	
06-09	MEAN	3.8	8.5	20.3	31.6	43.2	53.7	60.0	58.6	49.4	36.8	25.5	12.6	33.8	
	S D	16.816	14.921	12.828	10.053	10.755	7.932	6.610	6.739	8.968	9.948	12.056	14.714	22.080	
	TOTAL OBS	738	678	744	720	744	720	744	744	720	743	720	744	8759	
09-12	MEAN	5.6	11.2	22.7	34.2	45.1	55.5	61.4	60.6	51.8	39.6	28.2	14.5	36.0	
	S D	15.843	13.863	12.251	10.555	11.695	8.369	7.121	6.666	9.052	10.166	12.007	14.246	21.879	
	TOTAL OBS	737	678	744	720	744	719	744	744	719	744	720	744	8757	
12-15	MEAN	8.2	13.6	24.2	35.1	45.2	55.4	61.1	60.4	51.3	39.9	28.7	16.3	36.7	
	S D	14.640	12.733	11.745	10.839	11.826	8.683	7.523	7.408	9.744	10.595	12.328	13.411	20.986	
	TOTAL OBS	736	678	744	720	744	720	744	744	720	743	720	744	8757	
15-18	MEAN	8.2	13.8	24.2	34.5	44.8	54.7	60.8	60.1	50.9	39.2	28.0	16.1	36.4	
	S D	14.488	12.582	11.385	10.889	11.729	8.681	7.427	7.344	10.053	10.611	12.615	13.339	20.822	
	TOTAL OBS	736	678	744	720	744	720	744	744	720	744	720	744	8758	
18-21	MEAN	7.0	12.1	23.0	33.6	43.5	54.0	60.4	59.6	50.3	38.4	26.7	14.8	35.4	
	S D	15.364	13.207	10.905	10.654	11.338	8.425	7.190	6.894	9.425	10.145	12.216	13.723	21.066	
	TOTAL OBS	743	678	744	720	744	720	744	741	720	744	720	744	8762	
21-24	MEAN	6.1	11.0	22.1	32.0	42.3	52.5	58.9	58.2	49.3	37.5	25.9	14.3	34.3	
	S D	15.821	14.159	11.029	10.357	11.003	8.251	6.920	6.653	9.178	9.885	12.083	13.728	20.896	
	TOTAL OBS	739	678	744	720	744	720	744	741	719	744	720	744	8757	
ALL HOURS	MEAN	6.1	11.1	22.1	32.8	43.2	53.5	59.7	58.9	50.0	38.1	26.8	14.4	34.9	
	S D	15.865	14.009	11.973	10.572	11.374	8.490	7.254	7.163	9.442	10.236	12.202	13.970	21.271	
	TOTAL OBS	5906	5422	5952	5760	5952	5759	5952	5946	5758	5950	5760	5952	70069	



CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

726450 AUSTIN STRAUBEL WI

74-81

JAN

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	99.9	95.7	82.2	59.8	31.7	8.7	73.5	736
	03-05	100.0	100.0	100.0	100.0	96.9	85.7	62.2	33.6	10.7	74.2	741
	06-08	100.0	100.0	100.0	99.9	97.3	86.4	64.6	34.6	10.7	74.8	738
	09-11	100.0	100.0	100.0	99.9	95.9	78.7	54.8	26.1	7.3	71.8	737
	12-14	100.0	100.0	100.0	98.5	86.4	63.9	36.7	18.2	7.2	66.6	736
	15-17	100.0	100.0	100.0	98.2	85.6	59.9	38.5	17.9	5.4	66.2	736
	18-20	100.0	100.0	100.0	99.5	93.7	75.6	50.7	26.4	7.5	70.8	743
	21-23	100.0	100.0	100.0	99.7	95.3	80.5	56.2	30.4	8.5	72.4	739
TOTALS		100.0	100.0	100.0	99.5	93.4	76.6	52.9	27.4	8.3	71.3	5906

USAFETAC

FORM  
NR 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

72457 AUSTIN STRAUBEL WI

74-81

FEB

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.6	98.2	88.9	67.1	36.6	13.0	75.7	678
	03-05	100.0	100.0	100.0	99.9	99.4	92.2	71.7	41.1	12.7	77.0	676
	06-08	100.0	100.0	100.0	100.0	98.5	92.0	72.0	41.6	16.8	77.6	678
	09-11	100.0	100.0	100.0	99.4	94.7	80.7	54.0	26.5	8.3	72.0	678
	12-14	100.0	100.0	99.9	98.5	87.0	64.0	31.9	14.9	3.2	65.5	678
	15-17	100.0	100.0	99.6	96.9	83.2	61.8	30.8	15.0	3.5	64.6	678
	18-20	100.0	100.0	100.0	99.0	93.1	78.5	53.7	22.6	8.3	71.5	678
	21-23	100.0	100.0	100.0	99.1	97.1	81.6	59.7	29.9	10.0	73.6	678
TOTALS		100.0	100.0	99.9	99.1	93.9	80.0	55.1	28.5	9.5	72.1	5422

USAFETAC

FORM  
JAN 64

0-87-5 (OL A)

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

770450 AUSTIN STRAUBEL WI

74-81

487

STATION

STATION NAME

PERIOD

MON

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	T N
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	03-02	100.0	100.0	100.0	100.0	99.1	91.8	69.7	43.3	19.0	77.9	
	03-05	100.0	100.0	100.0	100.0	99.1	95.0	76.7	48.9	21.8	79.6	
	06-08	100.0	100.0	100.0	100.0	99.7	96.2	77.6	50.5	20.2	79.8	
	09-11	100.0	100.0	99.9	99.3	92.9	76.3	51.3	28.8	10.5	71.6	
	12-14	100.0	100.0	99.5	94.5	81.2	58.5	33.9	19.2	7.1	64.8	
	15-17	100.0	100.0	99.2	91.5	76.1	53.9	34.0	19.5	8.1	63.8	
	18-20	100.0	100.0	99.9	98.4	91.4	74.1	50.5	30.6	10.3	71.0	
	21-23	100.0	100.0	100.0	99.9	98.0	84.1	63.0	41.7	15.2	75.7	
TOTALS		100.0	100.0	99.8	98.0	92.2	78.7	57.0	35.3	14.0	73.0	

USAFETAC

FORM  
NR 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

505

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	97.6	86.0	62.1	32.6	9.6	74.6	720
	03-05	100.0	100.0	100.0	100.0	99.6	92.2	68.8	40.7	11.0	76.9	720
	06-08	100.0	100.0	99.9	99.9	97.8	86.1	60.0	30.6	9.9	74.6	720
	09-11	100.0	100.0	99.2	95.3	78.1	54.4	34.6	19.7	5.7	64.4	720
	12-14	100.0	99.7	96.4	83.5	58.5	39.7	25.3	14.4	3.6	57.8	720
	15-17	100.0	99.7	94.2	76.1	55.0	37.9	25.0	14.0	5.0	56.3	720
	18-20	100.0	100.0	99.2	93.9	79.2	57.8	37.2	19.7	6.0	64.9	720
	21-23	100.0	100.0	100.0	98.3	94.4	76.3	49.6	23.9	9.0	71.1	720
TOTALS		100.0	99.9	98.6	93.4	82.5	66.3	45.3	25.1	7.5	67.6	5760

USAF CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

174450 AUSTIN STRAUBEL WI

74-81

MAY

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.7	96.1	84.1	58.2	35.6	9.7	73.9	744
	03-05	100.0	100.0	100.0	100.0	99.1	90.7	72.8	41.5	11.4	77.5	744
	06-08	100.0	100.0	100.0	99.1	93.4	77.8	55.1	27.8	7.1	71.9	744
	09-11	100.0	100.0	96.4	84.5	65.3	41.9	22.2	10.3	3.0	56.1	744
	12-14	100.0	99.9	89.7	71.6	48.9	25.9	13.8	6.7	2.3	51.4	744
	15-17	100.0	99.7	89.1	71.4	46.4	26.1	13.8	6.9	2.4	51.0	744
	18-20	100.0	100.0	98.7	86.3	68.3	43.0	25.3	11.2	3.2	59.3	744
	21-23	100.0	100.0	100.0	98.1	90.3	73.4	46.2	24.6	7.7	69.6	744
TOTALS		100.0	100.0	96.7	88.9	76.0	57.9	38.4	20.6	5.9	64.1	5952

USAFETAC

FORM  
JUN 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

726457

AUSTIN STRAUBEL WI

74-81

JUN

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.6	94.9	63.2	49.7	15.6	80.3	720
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	90.4	63.9	25.3	83.5	720
	06-08	100.0	100.0	100.0	99.9	98.5	90.1	68.2	37.1	10.7	76.4	720
	09-11	100.0	100.0	99.7	96.7	80.8	56.5	28.5	11.7	3.2	63.3	719
	12-14	100.0	100.0	98.6	83.8	60.0	36.9	18.2	9.0	2.6	56.5	720
	15-17	100.0	100.0	97.5	79.2	53.8	33.6	18.1	8.6	1.9	55.0	720
	18-20	100.0	100.0	100.0	94.3	76.4	54.9	33.2	14.6	2.4	63.3	720
	21-23	100.0	100.0	100.0	100.0	98.5	86.8	63.8	32.9	9.4	74.8	720
TOTALS		100.0	100.0	99.5	94.2	83.5	69.1	50.5	28.4	8.9	69.1	5759

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

721457 AUSTIN STRAUBEL WI

74-81

JUL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	98.7	89.2	59.3	17.1	82.2	744
	03-05	100.0	100.0	100.0	100.0	99.9	98.7	92.9	74.2	25.8	85.3	744
	06-08	100.0	100.0	100.0	100.0	99.6	94.2	76.2	47.3	12.2	78.8	744
	09-11	100.0	100.0	99.9	95.7	82.1	54.6	29.8	13.0	2.7	63.5	744
	12-14	100.0	100.0	98.9	85.8	58.1	33.1	14.7	5.0	.3	55.2	744
	15-17	100.0	100.0	98.0	83.9	55.1	31.2	14.8	6.2	.8	54.9	744
	18-20	100.0	100.0	99.9	97.0	84.4	59.5	36.2	17.1	3.1	65.3	744
	21-23	100.0	100.0	100.0	100.0	99.6	92.9	73.3	38.6	8.1	77.0	744
TOTALS		100.0	100.0	99.6	95.3	84.8	70.4	53.4	32.6	8.8	70.3	5952

USAFETAC

FORM  
AA 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

706450

AUSTIN STRAUBEL WI

74-81

AUG

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.7	99.1	96.1	83.5	32.5	86.8	744
	03-05	100.0	100.0	100.0	100.0	99.9	99.7	98.7	89.9	45.8	89.6	744
	06-08	100.0	100.0	100.0	99.7	99.7	98.1	91.8	71.4	28.9	85.1	744
	09-11	100.0	100.0	99.9	99.5	90.1	72.8	48.4	27.4	9.0	70.5	744
	12-14	100.0	100.0	99.5	94.1	69.6	48.1	29.4	16.0	5.1	61.9	744
	15-17	100.0	100.0	100.0	92.5	66.7	44.9	26.7	13.0	5.0	60.6	744
	18-20	100.0	100.0	100.0	99.5	93.1	76.4	54.5	30.9	9.0	72.0	741
	21-23	100.0	100.0	100.0	100.0	99.7	97.4	87.7	62.1	20.6	82.7	741
TOTALS		100.0	100.0	99.9	98.2	89.8	79.6	66.7	46.9	19.5	76.2	5946

USAFETAC

FORM  
JUL 64

0-87-5 (DL A)



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
47 WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

725457 AUSTIN STRAUBEL WI

73-80

SEP

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JEP	00-02	100.0	100.0	100.0	100.0	99.6	98.2	93.5	80.7	33.2	86.4	720
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	95.3	84.7	41.9	88.1	720
	06-08	100.0	100.0	100.0	100.0	99.9	98.6	93.3	75.1	30.6	85.7	720
	09-11	100.0	100.0	99.7	97.9	90.0	72.9	48.7	24.5	8.3	70.0	719
	12-14	100.0	100.0	97.8	89.7	68.3	47.5	27.6	12.8	3.3	60.4	720
	15-17	100.0	100.0	97.2	88.2	70.0	47.1	26.9	13.9	3.5	60.2	720
	18-20	100.0	100.0	99.9	98.5	93.8	84.0	64.3	34.9	10.0	74.3	720
	21-23	100.0	100.0	100.0	100.0	98.5	95.7	87.1	63.3	19.5	82.3	719
TOTALS		100.0	100.0	99.3	96.8	90.0	80.4	67.2	48.7	18.8	75.9	5758

USAFETAC

FORM  
JUN 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

726450

AUSTIN STRAUBEL WI

73-80

OCT

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	99.6	99.2	94.1	80.5	55.0	18.1	80.2	744
	03-05	100.0	100.0	100.0	99.7	99.5	95.3	82.4	60.1	21.8	81.6	744
	06-08	100.0	100.0	100.0	100.0	99.2	94.8	80.9	58.3	20.3	81.1	743
	09-11	100.0	100.0	99.9	98.5	88.7	66.4	40.3	21.6	6.7	68.0	744
	12-14	100.0	100.0	98.0	92.2	68.0	39.6	23.4	12.1	3.2	59.2	743
	15-17	100.0	99.7	98.1	90.1	69.9	43.7	27.2	14.8	4.4	60.5	744
	18-20	100.0	100.0	99.9	98.8	94.0	79.7	54.6	28.8	9.7	72.5	744
	21-23	100.0	100.0	99.7	99.2	97.0	89.9	69.5	46.0	14.7	77.3	744
TOTALS		100.0	100.0	99.4	97.3	89.4	75.4	57.4	37.1	12.4	72.6	5950

USAFETAC

FORM  
24 64

0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

720450

AUSTIN STRAUBEL WI

73-80

NOV

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.7	98.6	94.3	79.0	50.6	15.8	79.5	720
	03-05	100.0	100.0	100.0	100.0	99.4	96.7	85.1	59.6	17.4	81.2	720
	06-08	100.0	100.0	99.9	99.9	99.4	98.5	84.0	61.0	21.7	81.8	720
	09-11	100.0	100.0	100.0	99.9	97.4	85.8	61.1	35.7	15.4	74.9	720
	12-14	100.0	99.7	99.6	97.4	84.3	62.1	38.5	24.4	11.0	67.1	720
	15-17	100.0	99.6	99.3	97.2	86.4	68.6	45.6	25.4	12.1	68.9	720
	18-20	100.0	99.9	99.6	99.4	96.9	86.3	61.8	39.0	15.0	75.1	720
	21-23	100.0	100.0	99.9	99.4	98.5	93.8	71.1	44.0	17.6	77.8	720
TOTALS		100.0	99.9	99.8	99.1	95.1	85.8	65.8	42.5	15.8	75.8	5760

USAFETAC

FORM  
RA 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

726450

AUSTIN STRAUBEL WI

73-80

DEC

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.2	97.7	90.7	78.5	50.0	14.7	78.5	744
	03-05	100.0	100.0	100.0	99.6	98.1	91.7	78.2	50.7	18.1	79.3	744
	06-08	100.0	100.0	100.0	99.7	98.3	93.3	78.5	52.2	22.0	79.8	744
	09-11	100.0	100.0	100.0	99.7	96.1	86.8	69.2	39.4	14.8	76.3	744
	12-14	100.0	100.0	100.0	98.0	91.7	74.6	51.5	27.8	11.0	71.0	744
	15-17	100.0	100.0	100.0	97.8	91.8	78.0	56.9	32.0	9.9	72.0	744
	18-20	100.0	100.0	100.0	99.6	95.3	86.6	70.7	42.7	13.0	76.1	744
	21-23	100.0	100.0	100.0	99.5	97.4	89.1	75.7	47.7	14.2	77.7	744
TOTALS		100.0	100.0	100.0	99.1	95.8	86.4	69.9	42.8	14.7	76.3	5952

USAFETAC

FORM  
AF 64

0-87-5 (OL A)

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

726450

AUSTIN STRAUBEL WI

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.5	93.4	76.6	52.9	27.4	6.3	71.3	5906
FEB		100.0	100.0	99.9	99.1	93.9	80.0	55.1	28.5	9.5	72.1	5422
MAR		100.0	100.0	99.8	98.0	92.2	78.7	57.0	35.3	14.0	73.0	5952
APR		100.0	99.9	98.6	93.4	82.5	66.3	45.3	25.1	7.5	67.6	5760
MAY		100.0	100.0	96.7	88.9	76.0	57.9	38.4	20.6	5.9	64.1	5952
JUN		100.0	100.0	99.5	94.2	83.5	69.1	50.5	28.4	8.9	69.1	5759
JUL		100.0	100.0	99.6	95.3	84.8	70.4	53.4	32.6	8.8	70.3	5952
AUG		100.0	100.0	99.9	98.2	89.8	79.6	66.7	48.9	19.5	76.2	5946
SEP		100.0	100.0	99.3	96.8	90.0	80.4	67.2	46.7	18.8	75.9	5758
OCT		100.0	100.0	99.4	97.3	89.4	75.4	57.4	37.1	12.4	72.6	5950
NOV		100.0	99.9	99.8	99.1	95.1	85.8	65.8	42.5	15.8	75.8	5760
DEC		100.0	100.0	100.0	99.1	95.8	86.4	69.9	42.8	14.7	76.3	5952
TOTALS		100.0	100.0	99.4	96.6	88.9	75.6	56.6	34.8	12.0	72.0	70069

USAFETAC

FORM  
NO 64

0-87-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES. Station pressure not reported for all services until late in 1945.

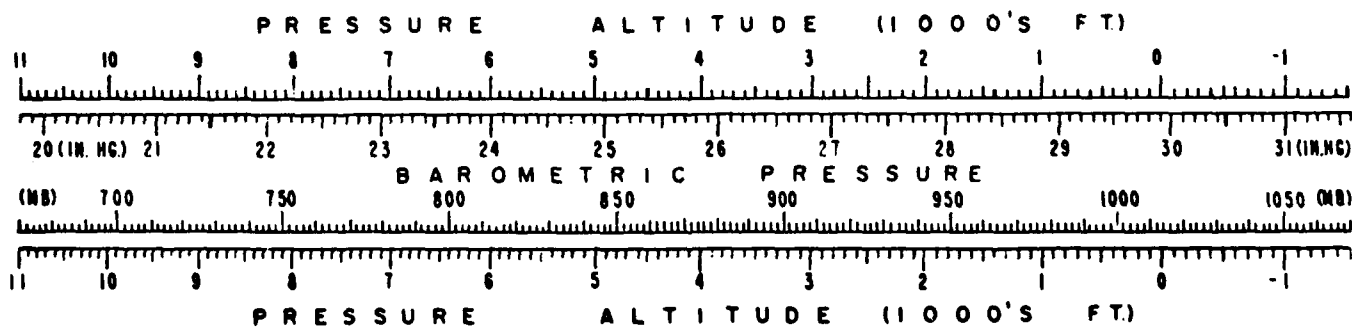
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

726450 AUSTIN STRAUBEL WI

73-81

STATION		STATION NAME												YEARS											
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0	MEAN	29.261	29.276	29.206	29.242	29.203	29.183	29.230	29.258	29.269	29.259	29.250	29.260	29.241											
	S D	.276	.289	.251	.249	.169	.183	.135	.142	.159	.212	.248	.263	.222											
	TOTAL OBS	247	226	248	240	248	240	248	248	240	248	240	248	2921											
	MEAN	29.269	29.270	29.199	29.235	29.199	29.180	29.227	29.254	29.266	29.257	29.247	29.261	29.239											
	S D	.282	.295	.259	.255	.173	.188	.138	.144	.165	.216	.253	.266	.227											
	TOTAL OBS	247	226	248	240	248	240	248	248	240	248	240	248	2921											
5	MEAN	29.262	29.273	29.205	29.251	29.217	29.196	29.245	29.269	29.281	29.264	29.247	29.256	29.247											
	S D	.288	.299	.266	.262	.181	.194	.142	.147	.168	.223	.261	.270	.232											
	TOTAL OBS	243	226	248	240	248	240	248	248	240	248	240	248	2922											
4	MEAN	29.288	29.292	29.222	29.261	29.227	29.204	29.254	29.279	29.296	29.280	29.267	29.276	29.262											
	S D	.288	.302	.269	.266	.184	.200	.141	.148	.167	.228	.259	.273	.234											
	TOTAL OBS	246	226	248	240	248	240	248	248	240	248	240	248	2920											
1	MEAN	29.273	29.280	29.208	29.244	29.210	29.190	29.241	29.265	29.280	29.258	29.245	29.257	29.246											
	S D	.284	.300	.271	.263	.178	.196	.137	.144	.162	.229	.260	.275	.232											
	TOTAL OBS	247	226	248	240	248	240	248	248	240	248	240	248	2921											
1	MEAN	29.255	29.253	29.178	29.219	29.185	29.171	29.221	29.241	29.252	29.234	29.226	29.239	29.223											
	S D	.273	.290	.259	.251	.169	.187	.130	.139	.154	.220	.253	.268	.224											
	TOTAL OBS	244	226	248	240	248	240	248	248	240	248	240	248	2918											
1	MEAN	29.265	29.266	29.181	29.216	29.174	29.157	29.208	29.229	29.252	29.244	29.245	29.256	29.224											
	S D	.274	.281	.250	.240	.165	.183	.125	.137	.152	.215	.245	.263	.220											
	TOTAL OBS	243	226	248	240	248	240	248	247	240	248	240	248	2921											
1	MEAN	29.270	29.281	29.203	29.244	29.201	29.182	29.230	29.255	29.270	29.260	29.258	29.264	29.243											
	S D	.280	.277	.245	.239	.163	.182	.124	.134	.155	.214	.241	.257	.217											
	TOTAL OBS	247	226	247	240	248	240	248	247	240	247	240	248	2918											
ALL HOURS	MEAN	29.268	29.274	29.200	29.239	29.202	29.183	29.232	29.256	29.271	29.257	29.248	29.259	29.240											
	S D	.280	.291	.259	.253	.173	.189	.134	.143	.161	.220	.252	.267	.226											
	TOTAL OBS	1974	1808	1983	1920	1984	1920	1984	1982	1920	1983	1920	1984	23362											

2

U.S. NATIONAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

72840 AUSTIN STRAUBEL WI

73-81

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	1018.0	1018.3	1015.5	1016.3	1014.6	1013.6	1015.2	1016.2	1016.8	1016.8	1016.9	1017.6	1016.3
S D	9.843	10.305	8.884	8.730	5.954	6.386	4.715	4.974	5.631	7.451	8.745	9.290	7.885
TOTAL OBS	247	226	248	240	248	240	248	248	240	248	240	248	2921
MEAN	1018.1	1018.0	1015.1	1016.0	1014.4	1013.5	1015.0	1016.0	1016.6	1016.6	1016.7	1017.6	1016.1
S D	10.112	10.551	9.190	8.979	6.135	6.561	4.875	5.067	5.848	7.643	8.962	9.415	8.096
TOTAL OBS	245	226	248	240	248	240	248	248	240	248	240	248	2922
MEAN	1018.0	1018.2	1015.5	1016.6	1015.1	1014.1	1015.7	1016.6	1017.3	1017.1	1016.8	1017.6	1016.5
S D	10.272	10.688	9.426	9.116	6.384	6.783	4.979	5.141	5.916	7.897	9.193	9.551	8.230
TOTAL OBS	240	226	248	240	248	240	248	248	240	248	240	248	2922
MEAN	1018.9	1018.9	1016.0	1016.9	1015.4	1014.3	1015.9	1016.9	1017.7	1017.5	1017.5	1018.2	1017.0
S D	10.306	10.815	9.578	9.345	6.477	6.998	4.946	5.194	5.861	8.039	9.168	9.696	8.346
TOTAL OBS	246	226	248	240	248	240	248	248	240	248	240	248	2920
MEAN	1018.4	1018.5	1015.5	1016.4	1014.8	1013.9	1015.5	1016.4	1017.2	1016.8	1016.7	1017.5	1016.5
S D	10.129	10.708	9.548	9.180	6.248	6.839	4.814	5.057	5.687	8.036	9.177	9.693	8.245
TOTAL OBS	247	226	248	240	248	240	248	248	240	248	240	248	2921
MEAN	1017.6	1017.4	1014.4	1015.4	1013.9	1013.2	1014.7	1015.5	1016.2	1015.8	1016.0	1016.9	1015.6
S D	9.735	10.370	9.237	8.834	5.935	6.552	4.591	4.903	5.416	7.784	8.962	9.486	7.971
TOTAL OBS	244	226	248	240	248	240	248	248	240	248	240	248	2918
MEAN	1018.1	1018.0	1014.6	1015.4	1013.6	1012.8	1014.4	1015.3	1016.2	1016.3	1016.8	1017.5	1015.7
S D	9.771	10.020	8.856	8.399	5.753	6.386	4.406	4.816	5.326	7.592	8.657	9.299	7.829
TOTAL OBS	248	226	248	240	248	240	248	247	240	248	240	248	2921
MEAN	1018.3	1018.4	1015.3	1016.4	1014.5	1013.6	1015.1	1016.1	1016.8	1016.8	1017.1	1017.8	1016.3
S D	10.051	9.947	8.698	8.421	5.773	6.356	4.366	4.732	5.467	7.593	8.542	9.164	7.776
TOTAL OBS	248	226	248	240	248	240	248	247	240	248	240	248	2921
MEAN	1018.2	1018.2	1015.3	1016.2	1014.5	1013.6	1015.2	1016.1	1016.8	1016.7	1016.8	1017.6	1016.3
S D	10.018	10.418	9.179	8.880	6.102	6.616	4.732	5.005	5.660	7.757	8.922	9.440	8.060
TOTAL OBS	1976	1808	1984	1920	1984	1920	1984	1982	1920	1984	1920	1984	23366